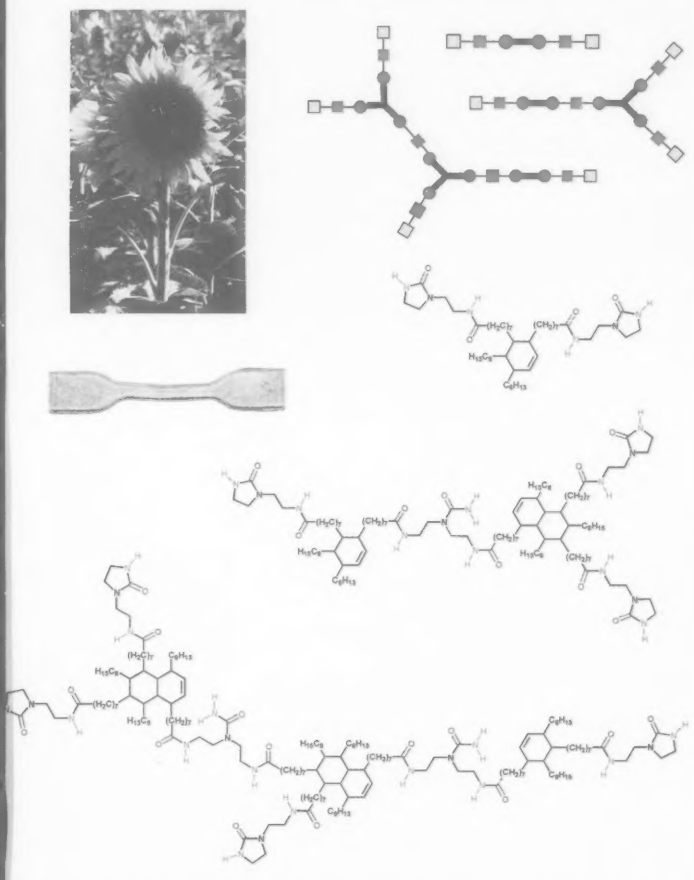
VOLUME 46/2008
Part A: Chemistry

JOURNAL OF POLYMER SCIENCE

Synthesis of self-healing supramolecular rubbers from fatty acid derivatives, diethylene triamine and urea.



PART • A

Polymer Chemistry

EDITORS
CRAIG J. HAWKER
E.W. MEIJER
VIRGIL PERCEC
MITSUO SAWAMOTO
KAREN L. WOOLEY

WILEY
Publishers Since 1807

JOURNAL OF POLYMER SCIENCE

PART • A
Polymer Chemistry

EDITORS

CRAIG J. HAWKER
Materials Research Laboratory
University of California
Santa Barbara, CA 93106

E.W. MEIJER
Laboratory of Macromolecular and Organic Chemistry
Eindhoven University of Technology
PO Box 513, 5600 MB Eindhoven
The Netherlands

VIRGIL PERCEC
Roy & Diana Vagelos Laboratories
Department of Chemistry
University of Pennsylvania
231 South 34th Street
Philadelphia, PA 19104-6323

MITSUO SAWAMOTO
Department of Polymer Chemistry
Graduate School of Engineering
Kyoto University
Katsura, Nishikyo-ku
Kyoto 615-8510, Japan

KAREN L. WOOLEY
Department of Chemistry
Washington University in Saint Louis
One Brookings Drive, CB 1134
Saint Louis, MO 63130

ADVISORY EDITORS

J.M.J. Fréchet
R.H. Grubbs
D.A. Tirrell

FOUNDING EDITOR

Herman F. Mark

EDITORIAL BOARD

T. Aida, Tokyo
A.-C. Albertsson, Stockholm
N.M. Bikales, McLean
M. Brookhart, Chapel Hill
G.W. Coates, Ithaca
J.V. Crivello, Troy
T. Davis, Sydney
J.M. DeSimone, Chapel Hill
W.T. Ford, Stillwater
R.G. Gilbert, Sydney
D.M. Haddleton, Coventry
N. Hadjichristidis, Athens
H.K. Hall, Jr., Tucson
A.S. Hay, Montreal
J.A. Hubbell, Zürich
J.P. Kennedy, Akron
S. Kobayashi, Kyoto
R.S. Langer, Cambridge
J.-M. Lehn, Strasbourg and Paris
L.J. Mathias, Hattiesburg
K. Matyjaszewski, Pittsburgh
J.E. McGrath, Blacksburg
M. Möller, Ulm
J.S. Moore, Urbana
R.J.M. Nolte, Nijmegen
B.M. Novak, Raleigh
K. Nozaki, Tokyo
Y. Okamoto, Nagoya
S. Penczek, Lódz
C. Pugh, Akron
E. Reichmanis, Murray Hill
J.C. Salamone, Rochester
A.D. Schlüter, Berlin
R.R. Schrock, Cambridge
U.S. Schubert, Eindhoven
S.I. Stupp, Evanston
T.M. Swager, Cambridge
S.R. Turner, Blacksburg
O. Vogl, Amherst
B. Voit, Dresden
K.B. Wagener, Gainesville
R.M. Waymouth, Stanford
O.W. Webster, Philadelphia
G. Wegner, Mainz
C.G. Willson, Austin
H. Yamaoka, Shiga

Assistant to Craig J. Hawker: Athena Philippides; Assistant to E.W. Meijer: Sagitta Peters; Assistant to Virgil Percec: Seth Freeman; Assistant to Mitsuo Sawamoto: Miro Takayama; Assistant to Karen L. Wooley: Jan Hunt

JOURNAL OF POLYMER SCIENCE, is published in 2 parts: POLYMER CHEMISTRY (Print ISSN: 0887-624X; Online: 1099-0518) and POLYMER PHYSICS (Print ISSN: 0887-6266; Online: 1099-0488), semi-monthly by Wiley Subscription Services, Inc., a Wiley Company, 111 River St., Hoboken, NJ 07030-5774. Periodical Postage Paid at Hoboken, NJ and additional offices.

Copyright © 2008 Wiley Periodicals, Inc., a Wiley Company. All rights reserved. No part of this publication may be reproduced in any form or by any means, except as permitted under section 107 or 108 of the 1976 United States Copyright Act, without either the prior written permission of the publisher, or authorization through the Copyright Clearance Center, 222 Rosewood Drive, Danvers, MA 01923, Tel.: (978) 750-8400, Fax: (978) 750-4470. Periodicals postage paid at Hoboken, NJ, and at additional mailing offices.

The copyright notice appearing at the bottom of the first page of an article in this journal indicate the copyright holder's consent that 2 copies may be made for personal or internal use, or for personal or internal use of specific clients, on the condition that the copier pay for copying beyond that permitted by law. This consent does not extend to other kinds of copying such as copying for general distribution, for advertising or promotional purposes, for creating new collective works, or for resale. Such permission requests and other permission inquiries should be addressed to the Permissions Department, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030; (201) 748-6011, fax (201) 748-6008, e-mail: http://www.wiley.com/go/permissions.

Subscription price (Volume 46, 2008): Print only: $15,820.00 in US, $16,156.00 in Canada and Mexico, $16,324.00 outside North America. All subscriptions containing a print element, shipped outside US, will be sent by air. Payment must be made in US dollars drawn on a US bank. Claims for undelivered copies will be accepted only after the following issue has been delivered. Please enclose a copy of the mailing label. Missing copies will be supplied when losses have been sustained in transit and where reserve stock permits. Please allow four weeks for processing a change of address. For subscription inquiries, please contact John Wiley & Sons, Inc., Attn: Journals Admin. Dept. UK, 111 River Street, Hoboken, NJ 07030; 201-748-6645 or e-mail: subinfo@wiley.com.

Postmaster: Send all address changes to JOURNAL OF POLYMER SCIENCE, Journal Customer Services, John Wiley & Sons Inc., 350 Main St., Malden, MA 02148-5020.

Delivery Terms and Legal Title: Prices include delivery of print journals to the recipient's address. Delivery terms are Delivered Duty Unpaid (DDU); the recipient is responsible for paying any import duty or taxes. Legal title passes to the customer on dispatch by our distributors.

Manuscript Submission: Go to http://mc.manuscriptcentral.com/jpola.

Reprints: Reprint sales and inquiries should be directed to the Customer Service Department, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030, (201) 748-8789.

Other Correspondence: Address all other correspondence to *Journal of Polymer Science*, Publisher, c/o John Wiley & Sons, Inc., 111 River Street, Hoboken, NJ 07030.

The contents of this journal are indexed in the following: *CAB Abstracts® (CABI), Cambridge Scientific Abstracts (CSA/CIG), CCR Database (Thomson ISI), Chemical Abstracts Service/SciFinder (ACS), Chemistry Citation Index™ (Thomson ISI), Chemistry Server Reaction Center (Thomson ISI), ChemWeb (ChemIndustry.com), Chimica Database (Elsevier), COMPENDEX (Elsevier), CSA Technology Research Database (CSA/CIG), Current Contents®/Physical, Chemical & Earth Sciences (Thomson ISI), FIZ Karlsruhe Databases (FIZ Karlsruhe), INSPEC (IET), Journal Citation Reports/Science Edition (Thomson ISI), Materials Science Citation Index® (Thomson ISI), PASCAL Database (INIST/CNRS), Polymer Library (Rapra), Reaction Citation Index™ (Thomson ISI), Science Citation Index Expanded™ (Thomson ISI), Science Citation Index® (Thomson ISI), SCOPUS (Elsevier), Textile Technology Index (EBSCO), Web of Science® (Thomson ISI), World Surface Coatings Abstracts (PRA).*

Editorial Production: Karen Mann

JOURNAL OF
POLYMER SCIENCE

Combined Author Index to Volume 46

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 46, 2008. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

Abdel-Goad, M. See Thunga, M., 329P

Abetz, V. See Xu, P., 2047P

Achilleos, M.
—; Legge, T. M.; Perrier, S. Patrickios, C. S.: Poly(ethylene glycol)-Based Amphiphilic Model Conetworks: Synthesis by Raft Polymerization And characterization, 7556C

Acosta, J. L. See Navarro, A., 1684P

Adamovsky, S. See Krumme, A., 1577P

Adams, D. J.
—; Young, I.Oligopeptide-Based Amide Functional Initiators for ATRP, 6082C

Adamus, G. See C. Buruiana, E., 4103C; Höglund, A., 4617C

Adebolu, O. I. See Asandei, A. D., 2869C

Adelman, D. J. See Ionkin, A. S., 585C

Adler, H. See Mendrek, S., 2488C

Adriaensens, P. See Mens, R., 138C

Adronov, A. See Liu, J., 7187C

Ahn, I. See Hwang, S., 6009C

Ahn, S. W. See Ahn, S., 2022P

Ahn, S.-N.
—; Lee, H.-J.; Kim, B.-J.; Tan, L.-S.; Baek, J.-B.: Epoxy/Amine-Functionalized Short-Length Vapor-Grown Carbon Nanofiber Composites, 7473C

Ahn, S.
—; Ahn, S. W.; Song, S.: Polymer Structure-Dependent Ion Interaction Studied by Amphiphilic Nonionic Poly(organophosphazenes), 2022P

Airinei, A. See Cazacu, M., 1862C

Aitola, E.
—; Hakala, K.; Byman-Fagerholm, H.; Leskelä, M.; Repo, T.: High Molar Mass Ethene/1-Olefin Copolymers Synthesized with Acenaphthyl Substituted Metallocene Catalysts, 373C

Ajji, A. See Sadeghi, F., 148P

Akagi, K. See Suda, K., 3591C

Akahoshi, H. See Nunoshige, J., 5278C

Akashi, M. See Lertworasirikul, A., 6489C

Akimoto, J.
—; Nakayama, M.; Sakai, K.; Okano, T.: Molecular Design of Outermost Surface Functionalized Thermoresponsive Polymeric Micelles with Biodegradable Cores, 7127C

Akiyama, Y.
—; Shinohara, Y.; Hasegawa, Y.; Kikuchi, A.; Okano, T.: Preparation of Novel Acrylamide-Based Thermoresponsive Polymer Analogues and Their Application as Thermoresponsive Chromatographic Matrices, 5471C

Akiyama, Y. See Shibahara, Y., 1P

Al-Badri, Z. M. See Alfred, S. F., 2640C

Albayrak, A. Z. See Yeniad, B., 2290C

Alberola, N. D. See Didier, B., 1891P

Albertsson, A. See Höglund, A., 4617C

Albertsson, A.-C. See Höglund, A., 7258C; Odelius, K., 1249C

Alegría, L. See Sanchis, M. J., 109P

Alemán, C. See Zanuy, D., 917P

Alexandrova, L. See Camacho, F. D., 4193C

Alfred, S. F.
—; Al-badri, Z. M.; Madkour, A. E.; Lienkamp, K.; Tew, G. N.: Water Soluble Poly(ethylene Oxide) Functionalized Norbornene Polymers, 2640C
—; Lienkamp, K.; Madkour, A. E.; Tew, G. N.: Water-Soluble ROMP Polymers from Amine-Functionalized Norbornenes, 6672C

Alig, I. See Xu, J., 2155P

Alla, A. See Zamora, F., 5167C

Al Lafi, A. G.
—; Hay, J. N.; Parker, D. J.: The Effect of Ions Irradiation on the Thermal Properties of Poly(ether ether ketone), 2212P
—; Hay, J. N.; Parker, D. J.: The Effect of Proton Irradiation on the Melting and Isothermal Crystallization of Poly(ether-Ether-Ketone), 1094P

Allard, E.
—; Larpent, C.: Core-Shell Type Dually Fluorescent Polymer Nanoparticles for Ratiometric pH-Sensing, 6206C

Allen, L. See Marks, M. J., 1632P

Allonas, X. See El-roz, M., 7369C; Lalevée, J., 2008C, 3042C
Almuzara, C. See Vera, F., 5528C
Altintas, O.
—; Hizal, G.; Tunca, U.: ABCD 4-Miktoarm Star Quarterpolymers Using Click [3 + 2] Reaction Strategy, 1218C
Altintzi, I. See Chrissopoulou, K., 2683P
Altstädt, V. See Erichsen, J., 1991P
Alvarez-Lainez, M.
—; Rodriguez-perez, M. A.; DESaja, J. A.: Thermal Conductivity of Open-Cell Polyolefin Foams, 212P
Alzari, V. See Mariani, A., 3344C
Améduri, B. See Cracowski, J., 4383C; Soules, A., 3214C
Amanuel, S.
—; Gaudette, A. N.; Sternstein, S. S.: Enthalpic Relaxation of Silica–Polyvinyl Acetate Nanocomposites, 2733P
Amass, Allan J. See Lemmouchi, Y., 5348C, 5363C
Ameer, G. A. See Webb, A. R., 1318C
Amekraz, B. See Dannoux, A., 861P
Amigoni-Gerbier, S. See Cannizzo, C., 3375C
Amirian, G. See Perkas, N., 1719C
Amnuaypornsri, S. See Toki, S., 2456P
Amrutha, S. R. See Cyriac, A., 3241C
Amsden, B. G. See Timbart, L., 8191C
An, J. See Chang, J., 2395P
An, L. See Lu, D., 5805C
An, L. See Huang, S., 1400P; Li, H., 452P
An, Q. See Zhang, W., 4151C
Anastasiadis, S. H. See Chrissopoulou, K., 2683P
Andersson, T.
—; Sumela, M.; Khriachtchev, L.; Räsänen, M.; Aseyev, V.; Tenhu, H.: Solution Properties of an Aqueous Poly(methacryl Oxyethyl Trimethylammonium Chloride) and Its Poly(oxyethylene) Grafted Analog, 547P
Ando, S. See Terraza, C. A., 1510C
Ando, T. See Uchiike, C., 6819C
Andreu, R.
—; Reina, J. A.; Ronda, J. C.: Carboxylic Acid-containing Benzoxazines as Efficient Catalysts in the Thermal Polymerization of Benzoxazines, 6091C
—; Reina, J. A.; Ronda, J. C.: Studies on the Thermal Polymerization of Substituted Benzoxazine Monomers: Electronic Effects, 3353C
Andrianaki, I. See Chrissopoulou, K., 2683P
Anseth, K. S. See Khire, V. S., 6896C
Antaya, H. See Liu, Y., 1903P
Anthoulis, G. I.
—; Kontou, E.; Fainleib, A.; Bei, I.; Gomza, Y.: Synthesis and Characterization of Polycyanurate/Montmorillonite Nanocomposites, 1036P
Aoki, H.
—; Tanaka, N.; Kubo, T.; Hosoya, K.: Poly(Glycerin 1,3-Dimethacrylate)-Based Monolith with a Bicontinuous Structure Tailored as HPLC Column by Photoinitiated *in Situ* Radical Polymerization Via Viscoelastic Phase Separation, 4651C
Aoshima, H. See Satoh, K., 6358C
Aoshima, S. See Seno, K.-I., 6444C; Seno, K., 2212C, 4392C, 5724C, 6151C; Yonezumi, M., 2202C, 4495C, 6129C, 6746C
Aoyagi, T. See Kotsuchibashi, Y., 6142C
Apostolo, M. See Giaconia, A., 257C
Arathoon, B. See Bernard, J., 2845C
Archer, L. A. See Landherr, Lucas J. T., 1773P; Qian, Z., 1788P
Arikawa, Y. See Lertworasirikul, A., 6489C
Asandei, A. D.
—; Chen, Y.; Adebolu, Olumide I.; Simpson, Christopher P.: Living Ring-Opening Polymerization of ϵ-Caprolactone with Ti Alkoxides Derived From the Cp_2TiCl-Catalyzed SET Reduction of Aldehydes, 2869C
Asano, M. See Chen, J., 5559C
Aseyev, V. See Andersson, T., 547P
Asha, S. K. See Deepak, V. D., 1278C
Asri, Z. E.
—; Chougrani, K.; Negrell-guirao, C.; David, G.; Boutevin, B.; Loubat, C.: An Efficient Process for Synthesizing and Hydrolyzing a Phosphonated Methacrylate: Investigation of the Adhesive and Anticorrosive Properties, 4794C
Asua, J. M. See Bohórquez, S. J., 6407C
Asua, J. M. See Goikoetxea, M., 4081C
Atkins, K. M. See De Wit, M. A., 6376C
Atsumi, H. See Kudo, H., 7835C
Austin, J. C. See Plesch, P. H., 4265C
Avci, D. See Yeniad, B., 2290C
Awudza, J. A. M.
—; Tait, Peter J. T.: The "Comonomer Effect" in Ethylene/α-Olefin Copolymerization Using Homogeneous and Silica-Supported Cp_2ZrCl_2/MAO Catalyst Systems: Some Insights From the Kinetics of Polymerization, Active Center Studies, and Polymerization Temperature, 267C
Ayres, N.
—; Holt, D. J.; Jones, C. F.; Corum, L. E.; Grainger, D. W.: Polymer Brushes Containing Sulfonated Sugar Repeat Units: Synthesis, Characterization, and *in vitro* Testing of Blood Coagulation Activation, 7713C
Azad, S. See Kobashi, K., 1265C

Babooram, K. See Deng, Z., 4984C
Bae, C. See Shin, J., 3533C
Baek, J.-B. See Ahn, S.-N., 7473C
Baek, J. See Jeon, I., 3471C; Jeong, J., 6041C
Baek, K.-Y.
—; Synthesis and Characterization of Sulfonated Block Copolymers by Atom Transfer Radical Polymerization, 5991C
Bagryanskaya, E. G. See Edeleva, M., 6828C
Bahuleyan, B. K.
—; Son, G. W.; Park, D.-W.; Ha, C.-S.; Kim, I.: Ethylene Polymerization by Sterically

and Electronically Modulated Ni(II) α-Diimine Complexes, 1066C

Bai, H.
—; Wang, Y.; Song, B.; Li, Y.; Liu, L.: Effect of Nucleating Agent on the Brittle–Ductile Transition Behavior of Polypropylene/Ethylene–Octene Copolymer Blends, 577P

Bai, J.-Y. See Gao, M.-L., 2807C

Bai, J. See Zhang, W., 7049C

Bai, R. See Lu, D., 5805C, 7667C; Zheng, H., 2575C

Bai, S.-L. See Zhang, Y.-F., 281P

Bai, W. See Zheng, H., 2575C

Bai, Y. See Yu, M., 759P

Bailly, C. See Jansen, M. A. G., 1203C

Balamurugan, R.
—; Kannan, P.: Photoreactive Main Chain Liquid Crystalline Polyesters Containing Oxadiazole and Bis(benzylidene) Cycloalkanone Units, 5760C

Balasubramanian, A. See Han, C., 5483C

Balcar, H.
—; Topka, P.; Sedláček, J.; Zedník, J.; Čejka, J.: Polymerization of Aliphatic Alkynes with Heterogeneous Mo Catalysts Supported on Mesoporous Molecular Sieves, 2593C

Balcar, H. See Svoboda, J., 2776C

Baldoli, C.
—; Oldani, C.; Maiorana, S.; Ferruti, P.; Ranucci, E.; Bencini, M.; Contini, A.: Functionalization and Molecular Dynamics Study of Carboxy-Terminated Poly(1-Vinylpyrrolidin-2-One): A Potential Soluble Carrier of Biomolecules, 1683C

Baldrian, J. See Kratochvíl, J., 311P

Ban, H. T. See Hagihara, H., 1738C

Ban, H. T.
—; Hagihara, H.; Nishii, K.; Tsunogae, Y.; Nojima, S.; Shiono, T.: A New Approach for Controlling Birefringent Property of Cyclic Olefin Copolymers, 7395C

Bandyopadhyay, A. See Biswas, A., 8023C

Bang, J. See Lee, Y., 8200C; Park, S. C., 8041C

Barabanov, A. A.
—; Bukatov, G. D.; Zakharov, V. A.: Effect of Temperature on the Number of Active Sites and Propagation Rate Constant at Ethylene Polymerization Over Supported Bis(imino)pyridine Iron Catalysts, 6621C

Barandiaran, M. J. See Goikoetxea, M., 4081C

Barberá, J. See Vera, F., 5528C

Barichard, A.
—; Israëli, Y.; Rivaton, A.: Photocrosslinking in Dichromated Poly(acrylic Acid) During Hologram Recording and Comparison with Dichromated Poly(vinyl Alcohol), 636C

Barlow, R. F. See Petruczok, C. D., 7200C

Barner-Kowollik, C.
—; Perrier, S.: The Future of Reversible Addition Fragmentation Chain Transfer Polymerization, 5715C

Barner-Kowollik, C. See Chaffey-Millar, H., 1873C; Gruendling, T., 7447C; Hellaye, M. L., 3058C; Junkers, T., 3433C, 7585C; Quémener, D., 155C; Wong, Edgar H. H., 7273C

Barriau, E.
—; Pastor-Pérez, L.; Berger-Nicoletti, E.; Kilbinger, Andreas F. M.; Frey, H.; Stiriba, S.-E.: Systematic Investigation of Functional Core Variation Within Hyperbranched Polyglycerols, 2049C

Barros-Timmons, A. See Ghislandi, M., 3326C

Bartczak, Z. See Lezak, E., 92P

Bartnicki, A. See Grochowicz, M., 6165C

Bartoszewicz, J.
—; Hug, G. L.; Pietrzak, M.; Kozubek, H.; Paczkowski, J.; Marciniak, B.: Benzophenone-(Phenylthio)Acetic Acid Phosphonium Salts as Initiators of Free-Radical Photopolymerization of Vinyl Monomers: Mechanistic Studies, 8013C

Bas, C. See Didier, B., 1891P

Baskar, G. See Chandrasekar, K., 3257C

Baskaran, D. See Dhara, M. G., 2132C

Baśko, M.
—; Kubisa, P.: Mechanism of Propagation in the Cationic Polymerization of L,L-Lactide, 7919C

Basser, P. J. See Horkay, F., 2803P

Basso, N. R. D. S. See Fim, F. D. C., 3830C

Baumgartner, T. See Durben, S., 8179C

Bayda, M. See Majchrzak, M., 127C

Bazan, G. See Carone, Carlos L. P., 54C

Beaucage, G. See Breese, D. R., 607P

Becer, C. R.
—; Hahn, S.; Fijten, Martin W. M.; Thijs, Hanneke M. L.; Hoogenboom, R.; Schubert, U. S.: Libraries of Methacrylic Acid and Oligo(ethylene glycol) Methacrylate Copolymers with LCST Behavior, 7138C

Bedek, G. See Salaün, F., 2566P

Bednar, F.
—; H. de Oliveira, M.; Paris, J.; G. M. van de Ven, T.: Transient Entanglements and Clusters in Dilute Polymer Solutions, 253P

Behnken, G. See Kricheldorf, Hans R., 851C

Bei, I. See Anthoulis, G. I., 1036P

Belin, C. See Bokobza, L., 1939P

Bell, C. A.
—; Whittaker, M. R.; Gahan, L. R.; Monteiro, M. J.: Outer-Sphere Electron Transfer Metal-Catalyzed Polymerization of Styrene Using a Macrobicyclic Ligand, 146C

Bell, C. A. See Urbani, C. N., 1533C

Belleney, J. See Dire, C., 6333C

Bencini, M.
—; Ranucci, E.; Ferruti, P.; Manfredi, A.; Trotta, F.; Cavalli, R.: Poly(4-Acryloylmorpholine) Oligomers Carrying a β-Cyclodextrin Residue at One Terminus, 1607C

Bencini, M. See Baldoli, C., 1683C

Benkoski, J. J.
—; Bowles, S. E.; Jones, R. L.; Douglas, J. F.; Pyun, J.; Karim, A.: Self-Assembly of Polymer-Coated Ferromagnetic Nanoparticles

into Mesoscopic Polymer Chains, 2267P
Bennet, F. See Junkers, T., 3433C
Bergbreiter, D. E.
—; Fu, H.: Thermodynamic Cloud Point Assays, 186C
Berger-Nicoletti, E. See Barriau, E., 2049C
Bernard, J.
—; Save, M.; Arathoon, B.; Charleux, B.: Preparation of a Xanthate-Terminated Dextran by Click Chemistry: Application to the Synthesis of Polysaccharide-Coated Nanoparticles Via Surfactant-Free *Ab Initio* Emulsion Polymerization of Vinyl Acetate, 2845C
Bernard, S. See Katritzky, A. R., 238C
Berndt, I. See Ho, C. H., 5053C
Bershtein, V. A. See Karabanova, L. V., 1696P
Bertho, S. See Mens, R., 138C
Berti, C.
—; Binassi, E.; Celli, A.; Colonna, M.; Fiorini, M.; Marchese, P.; Marianucci, E.; Gazzano, M.; Credico, F. D.; Brunelle, D. J.: Poly(1,4-Cyclohexylenedimethylene 1,4-Cyclohexanedicarboxy-Late): Influence of Stereochemistry of 1,4-Cyclohexylene Units on the Thermal Properties, 619P
Bertin, D. See Dire, C., 6333C; Edeleva, M., 6828C
Bertini, F. See Leone, G., 5390C
Bestal, H. See Thami, T., 3546C
Beuermann, S. See Woecht, I., 1460C
Beyou, E. See Ostaci, R.-V., 3367C
Bhattacharyya, A. R. See Bose, S., 1619P; Khare, R. A., 2286P
Bhowmick, A. K. See Biswas, A., 8023C
Bhowmick, A. K. See Datta, H., 5014C
Bi, X. See Hsieh, T., 1214P
Białek, M.
—; Czaja, K.: Dichlorovanadium (IV) Complexes with Salen-Type Ligands for Ethylene Polymerization, 6940C
Biagini, S. C. G.
—; Gibson, V. C.; Giles, M. R.; Marshall, E. L.; North, M.: Copolymerization of Amino Acid and Amino Ester Functionalized Norbornenes via Living Ring-Opening Metathesis Polymerization, 7985C
Bicak, N. See Tasdelen, M. A., 3387C
Bichler, S. See Sandholzer, M., 2402C
Bidali, S. See Mariani, A., 3344C
Biedroń, T.
—; Kubisa, P.: Imidazolium Ionic Liquids with Short Polyoxyethylene Chains, 6961C
Billiet, L.
—; Fournier, D.; Du Prez, F.: Combining "Click" Chemistry and Step-growth Polymerization for the Generation of Highly functionalized Polyesters, 6552C
Bin, Y. See Chen, Q., 359P
Binassi, E. See Berti, C., 619P
Binauld, S.
—; Boisson, F.; Hamaide, T.; Pascault, J.; Drockenmuller, E.; Fleury, E.: Kinetic Study of Copper(I)-Catalyzed Click Chemistry Step-Growth Polymerization, 5506C
Birot, M. See Grosse, M.-T., 21C
Bisatto, R. See Carone, Carlos L. P., 54C
Bismarck, A. See Menner, A., 5708C
Bissett, C. See Quémener, D., 155C
Biswas, A.
—; Bandyopadhyay, A.; Singha, N. K.; Bhowmick, A. K.: Sulfonation of Metallocene-Based Polyolefinic Elastomers and Its Influence on Physicomechanical Properties: Effect of Reaction Parameters, Styrene Grafting, and Pendant Chain Length, 8023C
Biswas, A. See Khare, R. A., 2286P
Blencowe, A. See Spiniello, M., 2422C
Blum, F. D. See Kabomo, M. T., 649P
Bo, Z. See Fei, Z., 4030C; Fu, Y., 1349C; Li, W., 4556C; Xiao, X., 574C
Bobrovsky, A. See Shibaev, V., 6532C
Boerstoel, H. See De Ruijter, C., 6565C
Boesecke, P. See Gindl, W., 297P
Bogdan, A. R. See Kobašlija, M., 2309C
Boggioni, L. See Leone, G., 5390C
Bogoslovov, R. See Kaminski, K., 3795C
Böhning, M. See Hölck, O., 59P
Bohórquez, S. J.
—; Asua, J. M.: Particle Nucleation in High Solids Batch Miniemulsion Polymerization Stabilized with a Polymeric Surfactant, 6407C
Boisson, F. See Binauld, S., 5506C
Bokias, G. See Oikonomou, E. K., 1149P
Bokobza, L.
—; Rahmani, M.; Belin, C.; Bruneel, J.-L.; Bounia, N. E.: Blends of Carbon Blacks and Multiwall Carbon Nanotubes as Reinforcing Fillers for Hydrocarbon Rubbers, 1939P
Bolink, H. J. See Pozo-Gonzalo, C., 3150C
Bondre, A. P. See Bose, S., 1619P
Bonifácio, V. D. B.
—; Morgado, J.; Scherf, U.: Polyfluorenes with On-Chain Dibenzoborole Units—Synthesis and Anion-Induced Photoluminescence Quenching, 2878C
Boragno, L. See Menichetti, S., 6393C
Bornhorst, K. See Kricheldorf, H. R., 543C; Kricheldorf, Hans R., 3732C
Borsacchi, S. See Marini, M., 1699C
Bos, J. See De Ruijter, C., 6565C
Bosc, D. See Cracowski, J., 4383C
Boschmann, D.
—; Mänz, M.; Pöppler, A.-C.; Sörensen, N.; Vana, P.: Tracing Arm-Growth Initiation in Z-RAFT Star Polymerization by NMR: the Impact of the Leaving R-Group on Star Topology, 7280C
Bose, S.
—; Bhattacharyya, A. R.; Bondre, A. P.; Kulkarni, A. R.; Pötschke, P.: Rheology, Electrical Conductivity, and the Phase Behavior of Cocontinuous PA6/ABS Blends with MWNT: Correlating the Aspect Ratio of MWNT with the Percolation Threshold, 1619P
Bosman, A. W. See Botterhuis, Nicole E., 3877C

Botterhuis, N. E.
—; VAN Beek, D. J. M.; VAN Gemert, Gaby M. L.; Bosman, Anton W.; Sijbesma, Rint P.: Self-Assembly and Morphology of Polydimethylsiloxane Supramolecular Thermoplastic Elastomers, 3877C
Bouchékif, H. See Deng, Z., 4984C
Bougard, F. See Mincheva, R., 6712C
Bounia, N. E. See Bokobza, L., 1939P
Boutevin, B. See Asri, Z. E., 4794C; Chougrani, K., 7972C; Soules, A., 3214C
Bowles, S. E. See Benkoski, J. J., 2267P
Bowman, C. N. See Johnson, P. M., 1502C; Khire, V. S., 6896C
Bowman, C. N. See Kilambi, H., 3452C
Boyer, C.
—; Liu, J.; Wong, L.; Tippett, M.; Bulmus, V.; Davis, T. P.: Stability and Utility of Pyridyl Disulfide Functionality in RAFT and Conventional Radical Polymerizations, 7207C
Boyer, C. See Colomines, G., 433C
Brandolini, A. J. See Kissin, Yury V., 5315C, 5330C
Braslau, R. See Ruehl, J., 8049C
Breese, D. R.
—; Beaucage, G.: Modeling the Mechanical Properties of Highly Oriented Polymer Films: A Fiber/Gel Composite Theory Approach, 607P
Bresson, B. See Thami, T., 3546C
Briois, J. See Jéol, S., 3985C
Brisson, J. See Jaidann, M., 406P
Brokken-Zijp, J. C. M. See Yuan, M., 1079P
Brownell, L. V. See Shin, J., 3533C
Brueckner, T.
—; Eberl, A.; Heumann, S.; Rabe, M.; Guebitz, G. M.: Enzymatic and Chemical Hydrolysis of Poly(ethylene terephthalate) Fabrics, 6435C
Bruneel, J.-L. See Bokobza, L., 1939P
Brunelle, D. J.
—; Cyclic Oligomer Chemistry, 1151C
Brunelle, D. J. See Berti, C., 619P
Brus, J. See Kratochvíl, J., 311P
Bu, S.-Z. See Gao, M.-L., 2807C
Buback, M.
—; Frauendorf, H.; Janssen, O.; Vana, P.: Electrospray Ionization Mass Spectrometric Study of End-groups in Peroxydicarbonate-initiated Radical Polymerization, 6071C
Buback, M. See Woecht, I., 1460C
Buchmeiser, M. R. See Scherzer, T., 4905C
Buck, J. C. See Marks, M. J., 1632P
Bucknall, D. G. See Lee, J. H., 1450P
Bühlmann, P. See Lugert, E. C., 516P
Bukatov, G. D. See Barabanov, A. A., 6621C
Bulmus, V. See Boyer, C., 7207C
Bünnagel, T. W.
—; Nehls, B. S.; Galbrecht, F.; Schottler, K.; Kudla, C. J.; Volk, M.; Pina, J.; de Melo, J. S. S.; Burrows, H. D.; Scherf, U.: Thiophene–Phenylene/Naphthalene-Based Step-Ladder Copolymers, 7342C
Burd, C.
—; Weck, M.: Solvent Influence on the Orthogonality of Noncovalently Functionalized Terpolymers, 1936C
Burger, C. See Toki, S., 2456P
Burrows, H. D. See Bünnagel, T. W., 7342C
Burtscher, D.
—; Lexer, C.; Mereiter, K.; Winde, R.; Karch, R.; Slugovc, C.: Controlled Living Ring-Opening Metathesis Polymerization with a Ruthenium Indenylidene Initiator, 4630C
Buruiana, E. C.
—; Zamfir, M.; Buruiana, T.: Dansylated Acrylic Copolymer with Potential for Sensor Applications: Synthesis and Properties, 3774C
—; Kowalczuk, M.; Adamus, G.; Jedlinski, Z.: Designing of Dipeptide-Based Oligoconjugates as Potential Carrier for Drug Delivery. Pyroglutamil-*S*-Glutamic Acid Bisoligo-3-Hydroxybutyrates, 4103C
Buruiana, T. See Buruiana, E. C., 3774C
Buzin, P.
—; Schwarz, G.; Kricheldorf, Hans R.: Cationic Polymerizations of 2-Alkyloxazolines Catalyzed by Bismuth Salts, 4777C
Byman-Fagerholm, H. See Aitola, E., 373C
Byun, D. See Nomura, K., 4162C

Cabasso, I.
—; Yuan, Y.; Wang, X.: Mechanism and Characterization of Alkylene- and *p*-Ethylenebenzylene-Spaced Polycarbosilanes Ceramic Precursor Synthesized by Electropolymerization, 7677C
Cádiz, V. See Montero de Espinosa, L., 6843C; Spontón, M., 7162C
Cai, L. See Chen, Y., 4249C
Cai, X.
—; Chen, S.; Chen, L.: Solvent-Free Free-Radical Frontal Polymerization: A New Approach to Quickly Synthesize Poly(*N*-Vinylpyrrolidone), 2177C
Camacho, F. D.
—; Lagadec, R. L.; Ryabov, Alexander D.; Alexandrova, L.: Cyclometalated 2-Phenylpyridine Complex $[Ru^{II}(o\text{-}C_6H_4\text{-}Py)(MeCN)_4]PF_6$ as a Tunable Catalyst for Living Radical Polymerization, 4193C
Camp, W. V. See Dervaux, B., 1649C
Campos, L. M. See Park, S. C., 8041C
Canetti, M. See Leone, G., 5390C
Cannizzo, C.
—; Amigoni-Gerbier, S.; Frigoli, M.; Larpent, C.: A Versatile Preparation of Azobenzene-Dye Functionalized Colored Polymer Nanoparticles by Surface Modification, 3375C
Cao, A. See Du, J., 1376C
Cao, F. See Gunes, I. S., 1437P
Cao, H. See Guo, J., 1562P; Li, W., 1369P, 2090P
Cao, J. See Huang, X., 5999C
Cao, Y. See Sun, M., 3007C; Xu, Y., 453C
Cao, Y. See Li, W., 1369P
Cao, Z. See Xie, J., 1140P

Carlier, V. See Henry, G. R. P., 2936C

Carone, C. L. P.
—; Bisatto, R.; Galland, G. B.; Rojas, R.; Bazan, G.: Ethylene Polymerization and Copolymerization with a Polar Monomer Using an α-Iminocarboxamide Nickel Complex Activated by Trimethylaluminum, 54C

Carreau, P. J. See Sadeghi, F., 148P

Carroll, J. B. See Evanoff, Jr., D. D., 7882C

Carvalho, E. Y. See Coelho, Jorge F. J., 421C, 6542C

Cassagnau, P. See Elias, L., 1976P

Castignolles, P. See Guillaneuf, Y., 897C; Nejad, E. H., 6364C; Nejad, E. H., 2277C

Catel, Y.
—; Degrange, M.; Le Pluart, L.; Madec, P.-J.; Pham, T.-N.; Picton, L.: Synthesis, Photopolymerization and Adhesive Properties of New Hydrolytically Stable Phosphonic Acids for Dental Applications, 7074C

Cavaillé, J. See Vu, H., 1820P

Cavalli, R. See Bencini, M., 1607C

Caykara, T. See Turan, E., 1713P

Cazacu, M.
—; Vlad, A.; Munteanu, G.; Airinei, A.: Multifunctional Materials Based on Polyazomethines Derived From 2,5-Dihydroxy-1,4-Benzoquinone and Siloxane Diamines, 1862C

Čejka, J. See Balcar, H., 2593C

Celle, C. See Ostaci, R.-V., 3367C

Celli, A. See Berti, C., 619P

Celzard, A.
—; Pizzi, A.; Fierro, V.: Physical Gelation of Water-Borne Thermosetting Resins by Percolation Theory—Urea-Formaldehyde, Melamine-Urea-Formaldehyde, and Melamine-Formaldehyde Resins, 971P

Cerbai, B.
—; Solaro, R.; Chiellini, E.: Synthesis and Characterization of Functional Polyesters Tailored for Biomedical Applications, 2459C

Cerrada, M. L. See Muñoz-Bonilla, A., 85C; Ruiz, C., 7238C

Cerritelli, S.
—; Velluto, D.; Hubbell, J. A.; Fontana, A.: Breakdown Kinetics of Aggregates From Poly(ethylene Glycol-*bl*-Propylene Sulfide) Di- and Triblock Copolymers Induced by a Non-Ionic Surfactant, 2477C

Cetinkaya, M.
—; Malvadkar, N.; Demirel, M. C.: Power-Law Scaling of Structured Poly(*p*-Xylylene) Films Deposited by Oblique Angle, 640P

Chaffey-Millar, H.
—; Hart-Smith, G.; Barner-Kowollik, C.: Living Star Polymer Formation (RAFT) Studied Via Electrospray Ionization Mass Spectrometry, 1873C

Chai, C. See Wang, P., 1843C, 1C, 7861C

Chai, C. L. L. See Likhitsup, A., 102C

Chakraborty, K. See Lemmouchi, Y., 5348C, 5363C

Chalamet, Y. See Li, P., 7773C

Chan-Seng, D.
—; Rider, D. A.; Guèrin, G.; Georges, M. K.: Block Copolymer Preparation by Atom Transfer Radical Polymerization Under Emulsion Conditions Using a Nanoprecipitation Technique, 625C

Chan, C. Y. See Kong, J., 1280P

Chan, C. See Xiao, X., 574C

Chan, W. K. See Cheng, K. W., 1305C

Chandrasekar, K.
—; Baskar, G.: Interfacial Adsorption Characteristics of Ionic Polymeric Amphiphiles with Comb-Like Structures: Effect of Dodecyl and Poly(ethylene Oxide) Side Chains, 3257C

Chang, A. Y. See Shin, J., 3533C

Chang, C.-W.
—; Yen, H.-J.; Huang, K.-Y.; Yeh, J.-M.; Liou, G.-S.: Novel Organosoluble Aromatic Polyimides Bearing Pendant Methoxy-Substituted Triphenylamine Moieties: Synthesis, Electrochromic, and Gas Separation Properties, 7937C

Chang, C.
—; Wei, H.; Quan, C.-Y.; Li, Y.-Y.; Liu, J.; Wang, Z.-C.; Cheng, S.-X.; Zhang, X.-Z.; Zhuo, R.-X.: Fabrication of Thermosensitive PCL-PNIPAAm-PCL Triblock Copolymeric Micelles for Drug Delivery, 3048C

Chang, C. See Dai, C., 2536C

Chang, F.-C. See Cheng, C.-C., 6416C; Ye, Y.-S., 6296C

Chang, F. See Kuo, S., 3108C

Chang, F. See Sheen, Y., 1984P

Chang, H. C. See Lin, C. H., 4970C

Chang, J.
—; Yu, Y.; Na, J. H.; An, J.; Im, C.; Choi, D.; Jin, J.; Lee, S. H.; Kim, Y. K.: Photodegradation-Induced Photoluminescence Behaviors of π-Conjugated Polymers Upon the Doping of Organometallic Triplet Emitters, 2395P

Chang, J. Y. See Song, H., 5850C

Chang, S. L. See Lin, C. H., 7898C

Chang, S. L. See Lin, C. H., 4970C

Chang, W.
—; Fang, T.; Lin, Y.: Thermomechanical and Optical Characteristics of Stretched Polyvinylidene Fluoride, 949P

Chang, Y. See Hsieh, T., 1214P

Chapel, J.-P. See Ostaci, R.-V., 3367C

Charleux, B. See Bernard, J., 2845C; Dire, C., 6333C

Charpentier, P. A. See Hojjati, B., 3926C

Charrault, E.
—; Gauthier, C.; Marie, P.; Schirrer, R.: Structural Recovery (Physical Ageing) of the Friction Coefficient of Polymers, 1337P

Chattopadhyay, S. See Mishra, A. K., 2341P

Chaudhary, B. I. See Weaver, J. D., 4542C

Chaudhary, D. S.
—; Understanding Amylose Crystallinity in Starch–Clay Nanocomposites, 979P

Che, Y. See Huang, X., 5999C

Chen, C. H. See Lu, H.-Y., 2431P

Chen, C. See Xu, X., 5263C

Chen, E.-C.
—; Wu, T.-M.: Isothermal and Nonisothermal Crystallization Kinetics of

Nylon 6/Functionalized Multi-Walled Carbon Nanotube Composites, 158P
Chen, E.-C. See Wu, T.-M., 727P
Chen, E. See Xie, H., 7310C; Yi, Z., 4205C
Chen, E. See Yen, S., 1291P
Chen, F.
—; Zhu, W.; Xu, N.; Shen, Z.: Ring-Opening Copolymerization of Ethylene Carbonate and ϵ-Caprolactone Catalyzed by Neodymium Tris(2,6-Di-*tert*-Butyl-4-Methylphenolate): Synthesis, Characterization, and Dynamic Mechanic Analysis, 4050C
Chen, F. See Shi, Y., 2433C
Chen, H.-J.
—; Wang, L.; Chiu, W.-Y.: Preparation of MEH-PPV/Nanosized Titania Hybrids Via *in Situ* Sol–Gel Reaction of Titanium Alkoxide: Optical Property, 515C
Chen, H.
—; Cheng, M.-L.; Jean, Y. C.; Lee, L. James; Yang, J.: Effect of CO_2 Exposure on Free Volumes in Polystyrene Studied by Positron Annihilation Spectroscopy, 388P
Chen, H. See Ma, C., 2637P
Chen, J. H.
—; Dai, C.-A.; Chiu, W.-Y.: Synthesis of Highly Conductive EDOT Copolymer Films Via Oxidative Chemical *in Situ* Polymerization, 1662C
Chen, J.
—; Asano, M.; Maekawa, Y.; Yoshida, M.: Chemically Stable Hybrid Polymer Electrolyte Membranes Prepared by Radiation Grafting, Sulfonation, and Silane-Crosslinking Techniques, 5559C
—; Vaino, Andrew R.; Smith, Rosemary L.; Collins, Scott C.: Photomediated Crosslinking of Cinnamated PDMS for *in Situ* Direct Photopatterning, 3482C
—; Zeng, Z.; Yang, J.; Chen, Y.: Photoinitiated Dispersion Polymerization of Methyl Methacrylate: A Quick Approach to Prepare Polymer Microspheres with Narrow Size Distribution, 1329C
Chen, J. See Li, P., 7773C; Zuo, X., 7868C
Chen, K. See Zhang, J., 2632C
Chen, L.-N. See Wu, C.-G., 1586C
Chen, L. See Cai, X., 2177C; Zhao, C., 5752C
Chen, L. See Yu, L., 2630P
Chen, M. See Lu, H.-Y., 2431P
Chen, P. H. See Wu, K. H., 926C
Chen, Q.
—; Xi, Y.; Bin, Y.; Matsuo, M.: Electrical and Dielectric Properties in Carbon Fiber-Filled LMWPE/UHMWPE Composites with Different Blend Ratios, 359P
Chen, Q.
—; Yu, W.; Zhou, C.: Rheological Properties of Immiscible Polymer Blends Under Parallel Superposition Shear Flow, 431P
Chen, Q. See Yang, Q., 2465P
Chen, S.-Y.
—; Huang, Y.; Tsiang, R. C.-C.: Ozonolysis Efficiency of PS-*b*-PI Block Copolymers for Forming Nanoporous Polystyrene, 1964C
Chen, S. See Cai, X., 2177C; Sun, X.-K., 3128C
Chen, W.-Y. See Ye, Y.-S., 6296C
Chen, W. See Cheng, K., 6305C
Chen, X. G. See Wang, L. C., 1419P
Chen, X.-S. See Wang, H.-B., 1388C
Chen, X. See Zou, L., 702C
Chen, X. See Yu, L. 682C
Chen, X. See He, C., 4140C; Hou, X., 1674C; Hu, J., 1124C; Hu, X., 1852C, 7022C; Sun, L., 7173C; Tao, Y., 4451C; Wang, P., 1843C, 1C, 7861C; Zhang, Y., 777C; Zhao, C., 2680C
Chen, X. See Huang, S., 1400P; Wang, J., 1067P
Chen, Y.-Q. See Zhang, H.-H., 8131C
Chen, Y.-Y.
—; Wu, G.; Qiu, Z.; Wang, X.-L.; Zhang, Y.; Lu, F.; Wang, Y.-Z.: Microwave-Assisted Ring-Opening Polymerization of *p*-Dioxanone, 3207C
Chen, Y. See Hong, H., 668C
Chen, Y.
—; Kennedy, J. P.: Novel Amphiphilic Triblocks Fitted with Photocrosslinkable Termini, and Their Photocrosslinking to Conetworks, 174C
Chen, Y.
—; Lin, Y.; Ei-khouly, M. E.; He, N.; Yan, A.; Liu, Y.; Cai, L.; Ito, O.: A New Blue-Light Emitting Polymer: Synthesis and Photoinduced Electron Transfer Process, 4249C
Chen, Y. See Asandei, A. D., 2869C; Chen, J., 1329C; Feng, M., 5702C; Hsieh, B., 3703C; Jiao, Q., 4564C; Lee, C.-C., 7960C; Luo, R., 5499C; Tsai, L.-R., 70C; Yeh, K., 5180C; Yi, Z., 4205C; Zhang, W., 7049C; Zhou, Y., 6518C
Chen, Y. See Kunal, K., 1390P; Wang, G., 807P
Chen, Z.-K. See Tang, W., 7725C
Chen, Z.
—; Zhang, Y.; Chisholm, B. J.; Webster, D. C.: A Humidity Blocker Approach to Overcoming the Humidity Interference with Cationic Photopolymerization, 4344C
Chen, Z. See Kobashi, K., 1265C; Zhang, K., 7578C
Cheng, C.-C.
—; Huang, C.-F.; Yen, Y.-C.; Chang, F.-C.: A "Plug and Play" Polymer Through Biocomplementary Hydrogen Bonding, 6416C
Cheng, C.-C. See Ye, Y.-S., 6296C
Cheng, C. See Ma, J., 3488C
Cheng, H. See Hu, X., 7022C; Wang, P., 3424C
Cheng, J.
—; Wang, L.; Huo, J.; Yu, H.; Yang, Q.; Deng, L.: Study on Synthesis of Poly(*N*-Isopropylacrylamide) Grafted Carbon Black and Temperature-Dependence Conductivity of Grafted Carbon Black/Epoxy Composites, 1529P
Cheng, J. See Sun, J., 5616C
Cheng, K. W.
—; Mak, Chris S. C.; Chan, W. K.; Ng, A. M. C.; Djurišić, A. B.: Synthesis of Conjugated Polymers with Pendant Ruthenium Terpyridine Trithiocyanato Complexes and Their Applications in Heterojunction Photovoltaic Cells, 1305C
Cheng, K.
—; Chueh, C.; Lin, C.; Chen, W.: Synthesis, Properties, and Field Effect Transistor Characteristics of New Thiophene-

[1,2,5]thiadiazolo[3,4-G] quinoxaline-Thiophene-Based Conjugated Polymers, 6305C
Cheng, M.-L. See Chen, H., 388P
Cheng, R. J. See Lin, C. H., 7898C
Cheng, S.-X. See Chang, C., 3048C
Cheng, S. See Xu, X., 5263C
Cheng, Y. See Guo, X., 4866C
Cheng, Z. See Yu, L. 682C,
Cheng, Z.
—; Zhang, L.; Zhu, X.; Kang, E. T.; Neoh, K. G.: Organic/Inorganic Hybrid Nanospheres Coated with Palladium/P4VP Shells From Surface-Initiated Atom Transfer Radical Polymerization, 2119C
Cheng, Z. See Wang, J., 7690C; Xu, J., 5652C; Xue, X., 5626C; Zhang, Y., 777C; Zhou, D., 6198C
Cheng, Z. See Li, W., 2090P
Cheong, I. W. See Lee, S. J., 2097C
Chi, H. See Dai, C., 2536C
Chiang, C.-L. See Yuen, S.-M., 803C
Chiang, C.-L. See Yuen, S.-M., 472P
Chiang, H.-C.
—; Liu, C.-H.; Tsiang, R. C.-C.: Synthesis of UV-Cured Acrylic–Silica Hybrid Nanocomposites From Dendritic Acrylic Oligomer and Acrylic-Functionalized Silica, 8149C
Chiang, R.-K. See Wu, T.-M., 727P
Chiang, R. See Yen, S., 1291P
Chiellini, E. See Cerbai, B., 2459C
Chien, A.-T. See Tu, C.-W., 47C
Chien, H. See Dai, C., 2536C
Chinellato, A. C.
—; Vidotti, S. E.; Hu, G.-H.; Pessan, L. A.: An Acrylic Acid Modified Polypropylene as a Compatibilizing Agent for the Intercalation/Exfoliation of an Organically Modified Montmorillonite in Polypropylene, 1811P
Chino, K.
—; Endo, T.: Polymerization of *o*-Quinodimethanes. V. Ionic Polymerization of *o*-Quinodimethanes Generated by Thermal Isomerization of Corresponding Benzocyclobutenes, 844C
Chisholm, B. J. See Chen, Z., 4344C
Chiu, W.-Y. See Chen, H.-J., 515C; Chen, J. H., 1662C; Kuo, K.-H., 6185C; Luo, Y.-D., 1014C, 8081C
Chiu, W. See Dai, C., 2536C; Lee, C., 5734C
Cho, C. S. See Kim, I. Y., 3629C
Cho, H. H. See Kim, K. H., 847P
Cho, H.-J.
—; Hwang, D.-H.; Lee, J.-D.; Cho, N.-S.; Lee, S.-K.; Lee, J.; Jung, Y. K.; Shim, H.-K.: Synthesis and Characterization of Novel Germanium-Containing Poly(*p*-Phenylenevinylene) Derivatives, 979C
Cho, J. S. See Hyun, H., 2084C
Cho, J. W. See Yoo, H. J., 900P
Cho, K. See Hwang, M., 263P
Cho, M. J.
—; Kim, J. I.; Hong, C. S.; Kim, Y. M.; Park, Y. W.; Ju, B.-K.; Choi, D. H.: Highly Soluble Green-Emitting Ir(III) Complexes with 9-(6-Phenylpyridin-3-ylmethyl)-9*h*-Carbazole Ligands and Their Application to Polymer Light-Emitting Diodes, 7419C
Cho, M. J. See Jung, K. M., 7517C; Kim, H. S., 501C; Kim, J. H., 1710C
Cho, M. J. See Hoang, M. H., 5064C; Vellis, Panagiotis D., 5592C
Cho, N.-S. See Cho, H.-J., 979C
Choe, S. See Saikia, P. J., 872C
Choi, C.-S. See Moon, I. K., 1783C
Choi, D. H. See Cho, M. J., 7419C; Jung, K. M., 7517C; Kim, H. S., 501C; Kim, J. H., 1710C
Choi, D. See Chang, J., 2395P
Choi, D. H. See Hoang, M. H., 5064C; Vellis, Panagiotis D., 5592C
Choi, E. K. See Noh, T., 7321C
Choi, H. See Wang, J., 1594P
Choi, J. K.
—; Lee, D. K.; Kim, Y. W.; Min, B. R.; Kim, J. H.: Composite Polymer Electrolyte Membranes Comprising Triblock Copolymer and Heteropolyacid for Fuel Cell Applications, 691P
Choi, J.
—; Chung, J. W.; Jang, S.-H.; Kwak, S.-Y.: Effect of Endgroup Modification on Dynamic Viscoelastic Relaxation and Motion of Hyperbranched Poly(ether ketone)s, 2079P
Choi, M. J. See Kim, G. S., 223P
Choi, S. W. See Park, H. S., 1792C
Chou, C.-I.
—; Liu, Y.-L.: High Performance Thermosets from a Curable Diels–Alder Polymer Possessing Benzoxazine Groups in the Main Chain, 6509C
Chou, H. See Sheen, Y., 1984P
Choudhury, N. R. See Subianto, S., 5431C
Chougrani, K.
—; Boutevin, B.; David, G.; Seabrook, S.; Loubat, C.: Acrylate Based Anticorrosion Films Using Novel Bis-Phosphonic Methacrylates, 7972C
Chougrani, K. See Asri, Z. E., 4794C
Chowdhury, A. K. See Weaver, J. D., 4542C
Choytun, N. See Deng, Z., 4984C
Chrissopoulou, K.
—; Altintzi, I.; Andrianaki, I.; Shemesh, R.; Retsos, H.; Giannelis, E. P.; Anastasiadis, S. H.: Understanding and Controlling the Structure of Polypropylene/Layered Silicate Nanocomposites, 2683P
Chu, H. Y. See Jung, I. H., 7148C
Chuai, Y. See Wang, P., 1843C
Chueh, C. See Cheng, K., 6305C
Chujo, Y. See Kokado, K., 3749C; Miyake, J., 6035C, 8112C; Nemoto, T., 2864C
Chun, S. See Chung, J. W., 989P
Chung, H. See Shin, J., 3533C
Chung, J. W. See Choi, J., 2079P
Chung, T.-M. See Lin, W.-F., 4843C
Chung, Y. S. See Park, I. K., 1131P
Ciaramitaro, D. A. See Katritzky, A. R., 238C
Clémenson, S.
—; Léonard, D.; Sage, D.; David, L.; Espuche, E.: Metal Nanocomposite Films Prepared *in Situ* From PVa and Silver Nitrate. Study of the Nanostructuration Process and Morphology as a Function of the *in Situ* Routes, 2062C
Cleghorn, S. See Kusoglu, A., 2404P

Cleij, T. See Mens, R., 138C
Cloete, V. See Greesh, N., 3619C
Cloutet, E. See de Cuendias, A., 4602C
Cocca, M.
—; D'orazio, L.: Novel Silver/Polyurethane Nanocomposite by *in Situ* Reduction: Effects of the Silver Nanoparticles on Phase and Viscoelastic Behavior, 344P
Coelho, Jorge F. J.
—; Carvalho, E. Y.; Marques, D. S.; Popov, A. V.; Percec, V.; Gil, M. H.: Influence of the Isomeric Structures of Butyl Acrylate on Its Single-electron transfer-degenerative Chain transfer Living Radical Polymerization in Water Catalyzed by $Na_2S_2O_4$, 6542C
—; Carvalho, E. Y.; Marques, D. S.; Popov, A. V.; Percec, V.; Gonçalves, Pedro M. F. O.; Gil, M. H.: Synthesis of Poly(ethyl Acrylate) by Single Electron Transfer-Degenerative Chain Transfer Living Radical Polymerization in Water Catalyzed by $Na_2S_2O_4$, 421C
Cogen, J. M. See Weaver, J. D., 4542C
Cogliati, C. See Menichetti, S., 6393C
Cohen, C. See Landherr, Lucas J. T., 1773P
Cohen, N. A. See Thakur, S., 6016C
Collins, Scott C. See Chen, J., 3482C
Colomines, G.
—; Otazaghine, B.; Boyer, C.; Monge, S.; Robin, J.-J.: Synthesis of Triblock Copolymers From Glycolysed Poly(ethylene Terephthalate) by Living Radical Polymerization, 433C
Colonna, M. See Berti, C., 619P
Coluccini, C.
—; Metrangolo, P.; Parachini, M.; Pasini, D.; Resnati, G.; Righetti, P.: "Push-Pull" Supramolecular Chromophores Supported on Cyclopolymers, 5202C
Contini, A. See Baldoli, C., 1683C
Contrella, N. D. See Thakur, S., 6016C
Cordier, P. See Montarnal, D., 7925C
Corum, L. E. See Ayres, N., 7713C
Cosgrove, T. See Suknuntha, K., 1258P
Cosma, P. See Grisorio, R., 6051C
Costa, Alexandra I.
—; Ferreira, LUÍS F. V.; Prata, JOSÉ V.: Novel Fluorescent (*p*-phenylene ethynylene)-calix[4]arene-Based Polymer: Design, Synthesis, and Properties, 6477C
Costa, G. See Li, L., 506P
Costa, T.
—; Melo, J. S. Seixas de: The Effect of γ-Cyclodextrin Addition in the Self-Assembly Behavior of Pyrene Labeled Poly(acrylic) Acid with Different Chain Sizes, 1402C
Couch, C. L. See Khire, V. S., 6896C
Coulembier, O. See Mespouille, L., 4997C; Suriano, F., 3662C
Coutinho, Joao A. P. See Gonçalves, Carla M. B., 1P
Covington, A. M.see Kraus, R. G., 734P
Cracowski, J.
—; Montembault, V.; Hardy, I.; Bosc, D.; Améduri, B.; Fontaine, L.: Free Radical Copolymerization of 2,2,2-Trifluoroethyl α-Fluoroacrylate and *tert*-Butyl α-Trifluoromethylacrylate: Thermal and Optical Properties of the Copolymers, 4383C
Cramail, H. See de Cuendias, A., 4602C
Credico, F. D. See Berti, C., 619P
Crescenzi, V. See Masci, G., 4830C
Crivello, James V.
—; Benzophenothiazine and Benzophenoxazine Photosensitizers for Triarylsulfonium Salt Cationic Photoinitiators, 3820C
Cruz-Barba, L. E. See Lopez-Ureta, L. C., 2667C
Cui, D. See Li, J., 1240C; Liu, L., 3193C; Yang, Y., 5251C; Zhang, Z., 6810C
Cui, L.
—; Yeh, J.; Wang, K.; Fu, Q.: Miscibility and Isothermal Crystallization Behavior of Polyamide 6/Poly(vinyl Alcohol) Blend, 1360P
Cui, L. See Zhou, Z., 1762P
Cui, Z. See Li, N., 2820C
Cullen, Sean P.
—; Ha, S.; Lagally, Max G.; Gopalan, P.: Photopatternable Substrate-Independent Poly(glycidyl Methacrylate-*ran*-2-(acryloyloxy) Ethyl 2-Methylacrylate) Polymer Films for Immobilization of Biomolecules, 5826C
Cyriac, A.
—; Amrutha, S. R.; Jayakannan, M.: Renewable Resource-Based Poly (*m*-Phenylenevinylene)s and Their Statistical Copolymers: Synthesis, Characterization, and Probing of Molecular Aggregation and Forster Energy Transfer Processes, 3241C
Czaja, K. See Białek, M., 6940C
Czaun, M.
—; Rahman, M. M.; Takafuji, M.; Ihara, H.: Surface-Initiated Living Radical Polymerization of Self-Assembling L-Phenylalanine-Derived Monomer from Silica for RP-HPLC Application, 6664C

Dadmun, M. D. See Lee, C., 1747P
Dag, A.
—; Durmaz, H.; Demir, E.; Hizal, G.; Tunca, U.: Heterograft Copolymers via double Click Reactions using One-Pot Technique, 6969C
Dag, A.
—; Durmaz, H.; Hizal, G.; Tunca, U.: Preparation of 3-Arm Star Polymers (A_3) Via Diels–Alder Click Reaction, 302C
Dag, A. See Durmaz, H., 7091C
Dagron-Lartigau, C. See Ouhib, F., 7505C
D'Haen, J. See Mens, R., 138C
Dahmouche, K. See Paranhos, C. M., 2618P
Dai, C.-A. See Chen, J. H., 1662C; Luo, Y.-D., 1014C, 8081C
Dai, C.
—; Chang, C.; Chi, H.; Chien, H.; Su, W.; Chiu, W.: Emulsion Synthesis of Nanoparticles Containing PEDOT Using Conducting Polymeric Surfactant: Synergy for Colloid Stability and Intercalation Doping, 2536C
Dai, S. A. See Lin, C. H., 7898C
Dai, X.-H.
—; Dong, C.-M.: Synthesis, Self-

Assembly and Recognition Properties of Biomimetic Star-Shaped Poly(ϵ-Caprolactone)-*b*-Glycopolymer Block Copolymers, 817C
Daniels, E. S. See Kim, H., 912C
Danno, T.
—; Matsumoto, H.; Nasir, M.; Shimizu, S.; Minagawa, M.; Kawaguchi, J.; Horibe, H.; Tanioka, A.: Fine Structure of PVDF Nanofiber Fabricated by Electrospray Deposition, 558P
Dannoux, A.
—; Esnouf, S.; Amekraz, B.; Dauvois, V.; Moulin, C.: Degradation Mechanism of Poly(ether-Urethane) Estane® Induced by High-Energy Radiation. II. Oxidation Effects, 861P
Dardano, A. See Hoyos, M., 1301P
da Silva, M. A.
—; Galland, G. B.: Synthesis and Characterization of Ethylene-Propylene-1-Pentene Terpolymers, 947C
Date, A. See Seno, K., 4392C
Datta, H.
—; Bhowmick, Anil K.; Singha, Nikhil K.: Tailor-Made Hybrid Nanostructure of Poly(ethyl Acrylate)/Clay by Surface-Initiated Atom Transfer Radical Polymerization, 5014C
Datta, H.
—; Singha, N. K.: Atom Transfer Radical Polymerization of Hexyl Acrylate and Preparation of Its "All-Acrylate" Block Copolymers, 3499C
Dattilo, S. See Vitalini, D., 2145C
Dauvois, V. See Dannoux, A., 861P
Dávalos-Montoya, O. See Medellín-Rodríguez, F. J., 2188P
David, G. See Asri, Z. E., 4794C; Chougrani, K., 7972C
David, L. See Clémenson, S., 2062C
David, L. See Olivier, L., 1734P
Davis, T. P. See Boyer, C., 7207C; Hussain, H., 5604C, 7287C; Quémener, D., 155C
Davis, T. P. See Hellaye, M. L., 3058C
D'Ayala, G. G. See Nobile, M. R., 1167P
De, P. See Li, M., 5093C
de Abajo, J. See Ferreiro, J. J., 7566C; Maya, E. M., 8170C
de Cuendias, A.
—; Ibarboure, E.; Lecommandoux, S.; Cloutet, E.; Cramail, H.: Synthesis and Self-Assembly in Water of Coil-Rod-Coil Amphiphilic Block Copolymers with Central π-Conjugated Sequence, 4602C
De Ilarduya, A. M. See Zamora, F., 5167C
de la Campa, J. G. See Maya, E. M., 8170C
de Melo, J. S. S. See Bünnagel, T. W., 7342C
de Oliveira, M. H. See Bednar, F., 253P
DE Paz, M. V. See Zamora, F., 5167C
De Ruijter, C.
—; Bos, J.; Boerstoel, H.; Dingemans, T. J.: Novel Thermotropic Esters-based Polymers with Broad Nematic Processing Windows, 6565C
DE Saja, J. A. See Alvarez-lainez, M., 212P
De Wit, M. A.
—; Wang, Z.; Atkins, K. M.; Mequanint, K.; Gillies, E. R.: Syntheses, Characterization, and Functionalization of Poly(ester amide)s with Pendant Amine Functional Groups, 6376C
de With, G. See Dikić, T., 218C
Dean, K. See Yu, L., 2630P
Dedelioglu, A. See Erol, I., 530C
Deepa, P.
—; Jayakannan, M.: Solvent-Free and Nonisocyanate Melt Transurethane Reaction for Aliphatic Polyurethanes and Mechanistic Aspects, 2445C
Deepak, V. D.
—; Asha, S. K.: Random and AB Diblock Copolymers of Tricyclodecanemethanol Urethane Methacrylate with Styrene: Synthesis and Morphology Characterization, 1278C
Degée, P. See Mespouille, L., 4997C; Suriano, F., 3662C
Deger, D. See Yahsi, U., 2249P
Degirmenci, M.
—; Taskesen, E.; Hicri, S.; Yilmaz, H.: Synthesis and Characterization of a Novel Mid-Chain Macrophotoinitiator of Polyacrylonitrile by Ce(IV)/HNO_3 Redox System, 5404C
Degrange, M. See Catel, Y., 7074C
de la Campa, J. G. See Ferreiro, J. J., 7566C
Deleuze, H. See Grosse, M.-T., 21C
Delgadillo-Velázquez, O.
—; Hatzikiriakos, S. G.; Sentmanat, M.: Thermorheological Properties of LLDPE/LDPE Blends: Effects of Production Technology of LLDPE, 1669P
Delis, A. C. See Fullana, M. J., 5542C
Dellacherie, E. See Dupayage, L., 7606C
Demirci, S. See Turan, E., 1713P
Demetriou, M.
—; Krasia-Christoforou, T.: Synthesis and Characterization of Well-Defined Block and Statistical Copolymers Based on Lauryl Methacrylate and 2-(Acetoacetoxy)ethyl Methacrylate Using RAFT-Controlled Radical Polymerization, 5442C
Demic, S. See Koyuncu, S., 1974C
Demir, E. See Dag, A., 6969C
Demiray, G. See Kiskan, B., 3512C
Demirel, A. Levent See Kiskan, B., 6780C
Demirel, M. C. See Cetinkaya, M., 640P
Denchev, Z.
—; Tomanova, M.; Lederer, A.: On the Anionic Homo- and Copolymerization of Ethyl- and Butyl-2-Cyanoacrylates, 5142C
Deng, J.
—; He, Q.; Wu, Z.; Yang, W.: Using Glycidyl Methacrylate as Cross-Linking Agent to Prepare Thermosensitive Hydrogels by a Novel One-Step Method, 2193C
—; Luo, X.; Zhao, W.; Yang, W.: A Novel Type of Optically Active Helical Polymers: Synthesis and Characterization of Poly(*N*-Propargylureas), 4112C
Deng, K. See Ma, L., 33C
Deng, L. See Lin, X., 7809C
Deng, L. See Cheng, J., 1529P
Deng, X. See Xie, J., 1140P
Deng, Z.
—; Bouchékif, H.; Babooram, K.; Housni, A.; Choytun, N.; Nar-

ain, R.: Facile Synthesis of Controlled-Structure Primary Amine-Based Methacrylamide Polymers Via the Reversible Addition-Fragmentation Chain Transfer Process, 4984C
Dervaux, B.
—; Camp, W. V.; Renterghem, L. V.; Du Prez, F. E.: Synthesis of Poly(isobornyl Acrylate) Containing Copolymers by Atom Transfer Radical Polymerization, 1649C
Desbrières, J. See Ouhib, F., 7505C
Devaux, J. See Henry, G. R. P., 2936C
Dhara, M. G.
—; Baskaran, D.; Sivaram, S.: Synthesis of Amphiphilic Poly(methyl Methacrylate- *b*-Ethylene Oxide) Copolymers From Monohydroxy Telechelic Poly(methyl Methacrylate) as Macroinitiator, 2132C
Diani, J.
—; Ortega, A. M.; Gall, K.; Kasprzak, S.; Greenberg, A. R.: On the Relevance of the 8-Chain Model and the Full-Network Model for the Deformation and Failure of Networks Formed Through Photopolymerization of Multifunctional Monomers, 1226P
Díaz-Calleja, R. See Sanchis, M. J., 109P
Diaz-Calleja, R. See Nikonorova, N. A., 1488P
Didier, B.
—; Mercier, R.; Alberola, N. D.; Bas, C.: Preparation of Polyimide/Silica Hybrid Material by Sol–Gel Process under Basic Catalysis: Comparison with Acid Conditions, 1891P
Dikić, T.
—; Ming, W.; Thüne, P. C.; van Benthem, R. A. T. M.; de With, G.: Well-Defined Polycaprolactone Precursors for Low Surface-Energy Polyurethane Films, 218C
Dimitrov, I.
—; Jankova, K.; Hvilsted, S.: Controlled Synthesis of Fluorinated Copolymers with Pendant Sulfonates, 7827C
Dimonie, V. L. See Kim, H., 912C
Dimonie, V. L. See Jiang, S., 3638C
Ding, M. See Liu, Y., 4227C
Ding, T. See Wang, L., 1050P
Dingemans, T. J. See De Ruijter, C., 6565C
Diociaiuti, M. See Masci, G., 4830C
Dirani, A. See Lalevée, J., 3042C
Dire, C.
—; Belleney, J.; Nicolas, J.; Bertin, D.; Magnet, S.; Charleux, B.: β-Hydrogen Transfer From Poly(methyl methacrylate) Propagating Radicals to the Nitroxide SG1: Analysis of the Chain-end and Determination of the Rate Constant, 6333C
Dirnberger, K. See Ikladious, Nawal E., 5568C
Djurado, D. See John, A., 1051C
Djurišić, A. B. See Cheng, K. W., 1305C
Dkhissi, A. See Ouhib, F., 7505C
Do, Y. See Park, M. H., 5816C
Dominguez, D. D. See Kolel-Veetil, M. K., 2581C
Don, T.-M. See Kuo, K.-H., 6185C
Dona, C.-L. See Kierkels, J. T. A., 134P
Dong, A. See Lin, X., 7809C
Dong, C.-M. See Dai, X.-H., 817C
Dong, J. See Zhai, W., 1641P
Dong, M.
—; Guo, Z.; Su, Z.; Yu, J.: Study of the Crystallization Behaviors of Isotactic Polypropylene with Sodium Benzoate as a Specific Versatile Nucleating Agent, 1183P
—; Guo, Z.; Yu, J.; Su, Z.: Crystallization Behavior and Morphological Development of Isotactic Polypropylene with an Aryl Amide Derivative as β-Form Nucleating Agent, 1725P
Dong, R.
—; Keuser, M.; Zeng, X.; Zhao, J.; Zhang, Y.; Wu, C.; Pan, D.: Viscometric Measurement of the Thermodynamics of pan Terpolymer/dmso/Water System and Effect of Fiber-forming Conditions on the Morphology of pan Precursor, 1997P
Dong, S. See Li, Z., 2983C
Dong, T. See Pan, P., 2222P; Shin, K.-M., 879P
Dong, X.-H. See Yang, L.-P., 7757C
Dong, Z.-M.
—; Liu, X.-H.; Lin, Y.; Li, Y.-S.: Branched Polystyrene with Abundant Pendant Vinyl Functional Groups from Asymmetric Divinyl Monomer, 6023C
Dong, Z. See Lin, Y., 5077C
Donnalley, A. B. See Kemp, L. K., 3229C
D'Orazio, L. See Cocca, M., 344P
Doskocz, J. See Katritzky, A. R., 238C
Dou, Q. See Wang, J., 1067P
Douglas, J. F. See Benkoski, J. J., 2267P
Douillard, R. See Habibi, Y., 1430P
Drakonakis, V. See Tzavalas, S., 668P
Dritsas, G. S.
—; Karatasos, K.; Panayiotou, C.: Investigation of Thermodynamic Properties of Hyperbranched Poly(ester amide) by Inverse gas Chromatography, 2166P
Driva, P.
—; Lohse, D. J.; Hadjichristidis, N.: Well-Defined Complex Macromolecular Architectures by Anionic Polymerization of Styrenic Single and Double Homo/Miktoarm Star-Tailed Macromonomers, 1826C
Drockenmuller, E. See Binauld, S., 5506C; Ostaci, R.-V., 3367C
Drooghaag, X. See Henry, G. R. P., 2936C
Du Prez, F. E. See Kul, D., 650C
Du Prez, F. E. See Dervaux, B., 1649C
Du Prez, F. See Billiet, L., 6552C
Du, B.-Y. See Sun, X.-K., 3128C
Du, B. See Sun, M., 3007C
Du, F. See Huang, X., 4332C
Du, J.
—; Shintay, S.; Zhang, X.: Diameter Control of Electrospun Polyacrylonitrile/Iron Acetylacetonate Ultrafine Nanofibers, 1611P
—; Xu, E.; Zhong, H.; Yu, F.; Liu, C.; Wu, H.; Zeng, D.; Ren, S.; Sun, J.; Liu, Y.; Cao, A.; Fang, Q.: Alkyl Side Chain Driven Tunable Red–Yellow–Green Emission: Investigation on the New π-Conjugated Polymers Comprising of 2,7-Carbazole

Unit and 2,1,3- Benzo-Thiadiazole Units with Different Side Chains, 1376C
Du, J. See Sun, J., 5616C
Du, L. See Wang, X., 201P
Du, N. See Matsumura, S., 3860C
Du, W. See Ma, C., 2637P
Du, Y. See Wei, Z., 5232C
Du, Z. See Liu, L., 3193C; Wang, X., 4857C
Duan, Y.-Q. See Tang, L.-M., 2038C
Dubois, P. See Mespouille, L., 4997C; Mincheva, R., 6712C; Suriano, F., 3662C
Duchet, J. See Vermogen, A., 1966P
Dupayage, L.
—; Save, M.; Dellacherie, E.; Nouvel, C.; Six, J.-L.: PMMA-Grafted Dextran Glycopolymers by Atom Transfer Radical Polymerization, 7606C
Duran, R. S. See Katritzky, A. R., 238C
Durand, G. G. See Holder, S. J., 7739C
Durben, S.
—; Nickel, D.; Krüger, R. A.; Sutherland, T. C.; Baumgartner, T.: Toward Low-Band Gap Dithienophosphole Copolymers for an Application in Organic Solar Cells, 8179C
Durmaz, H.
—; Dag, A.; Hizal, A.; Hizal, G.; Tunca, U.: One-Pot Synthesis of Star-Block Copolymers Using Double Click Reactions, 7091C
Durmaz, H. See Dag, A., 302C, 6969C; Gungor, E., 4459C
Durmaz, Y. Y. See Tasdelen, M. A., 3387C
Dusek, K. See Fernández, E., 322P
Duskova-Smrckova, M. See Fernández, E., 322P
Duthie, X.
—; Kentish, S.; Pas, S. J.; Hill, A. J.; Powell, C.; Nagai, K.; Stevens, G.; Qiao, G.: Thermal Treatment of Dense Polyimide Membranes, 1879P
Dutta, Naba K. See Subianto, S., 5431C
Dvořáková, G. See Svoboda, J., 2776C
Dworak, A. See Mendrek, S., 2488C
Dybal, J. See Vlček, P., 564C
Eberl, A. See Brueckner, T., 6435C
Edeleva, M.
—; Marque, Sylvain R. A.; Bertin, D.; Gigmes, D.; Guillaneuf, Y.; Morozov, S. V.; Bagryanskaya, E. G.: Hydrogen-Transfer Reaction in Nitroxide Mediated Polymerization of Methyl Methacrylate: 2,2-Diphenyl-3-phenylimino-2,3-dihydroindol-1-yloxyl Nitroxide (DPAIO) vs. TEMPO, 6828C
Efimov, A. See Lintinen, K., 5194C
Egorova, L. M. See Karabanova, L. V., 1696P
Eguchi, T.
—; Sudo, A.; Endo, T.: Polycondensation of Trialkoxysilane Monomers Accelerated by Neighboring Group Participation of Urea Moiety, 6654C
Ei-khouly, M. E. See Chen, Y., 4249C
Eisenbach, C. D. See Ikladious, Nawal E., 5568C
Eisenhauer, J. M. See Murphy, K. A., 244P
Eksteen, Z. See Pound, G., 6575C
El-Aasser, M. S. See Jiang, S., 3638C
El-Roz, M.
—; Lalevée, J.; Morlet-savary, F.; Allonas, X.; Fouassier, J. P.: Radical and Cationic Photopolymerization: New Pyrylium and Thiopyrylium Salt-Based Photoinitiating Systems, 7369C
El-Roz, M. See Lalevée, J., 2008C, 3042C
Elaissari, A. See Joumaa, N., 327C
Elias, L.
—; Fenouillot, F.; Majesté, J.-C.; Martin, G.; Cassagnau, P.: Migration of Nanosilica Particles in Polymer Blends, 1976P
Ellis, G. See Martínez, G., 6722C
Elsner, C. See Scherzer, T., 4905C
Emmons, E. D. see Kraus, R. G., 734P
Enami, S. See Nagahama, K., 6317C
Endo, K.
—; Kondo, Y.: Polymerization of 2-Pentene with Ni(II) α-Diimine Complex/M-MAO Catalyst and Structure of the Polymer, 2858C
Endo, T. See Nagai, D., 733C
Endo, T. See Chino, K., 844C; Eguchi, T., 6654C; Isobe, Y., 2305C; Kamei, Y., 2525C, 2649C; Komatsu, H., 1427C, 3673C, 3682C; Nagai, A., 2316C; Nagai, D., 1990C; Sudo, A., 2588C, 3447C; Uenishi, K., 4092C; Zhang, Y., 1907C
Engels, T. A. P. See Govaert, L. E., 2475P
Erichsen, J.
—; Nagel, C.; Günther-schade, K.; Renner, M.; Altstädt, V.; Faupel, F.: Positron Annihilation Lifetime Measurements of Mechanically Fatigued Polystyrene Samples, 1991P
Erol, I.
—; Dedelioglu, A.: Copolymers of 4-(1-Methyl-1-Mesityl-3-Cyclobutyl)-2-N-1, 3-Thiazole-2-Yl Methacrylamide with 2-[(5-Methylisoxazol-3-Yl) Amino]-2-Oxo-Ethyl Methacrylate: Synthesis, Characterization, Monomer Reactivity Ratios and Biological Activity, 530C
Escobedo, F. See Kobašlija, M., 2309C
Esnouf, S. See Dannoux, A., 861P
Espidel, Y. See Suknuntha, K., 1258P
Espuche, E. See Vermogen, A., 1966P
Espuche, E. See Clémenson, S., 2062C
Espuche, E. See Olivier, L., 1734P; Picard, E., 2593P
Essahli, M. See Soules, A., 3214C
Esseghir, M. See Weaver, J. D., 4542C
Evanoff, Jr., D. D.
—; Carroll, J. B.; Roeder, R. D.; Hunt, Z. J.; Lawrence, J. R.; Foulger, S. H.: Poly(methyl methacrylate) Copolymers Containing Pendant Carbazole and Oxadiazole Moieties for Applications in Single-Layer Organic Light Emitting Devices, 7882C

Fainleib, A. See Anthoulis, G. I., 1036P
Fan, B. See Ma, J., 1546P
Fan, L. See Zuo, X., 7868C
Fan, Q.-H. See Liu, Z.-T., 886C

Fan, X. See Sun, L., 7173C; Tian, W., 5036C; Wang, P., 1843C, 1C, 7861C; Wang, S., 2708C
Fan, Z.-Q. See Sun, X.-K., 3128C
Fan, Z. See He, Y., 959P
Fang, Q. See Du, J., 1376C; Sun, J., 5616C
Fang, T. See Chang, W., 949P
Fang, X.-W. See Rawal, A., 857P
Fangchiang, M.-H. See Liu, Y.-L., 5157C
Farmer, B. L. See Pandey, R. B., 2696P
Farrell, T. See Tsami, A., 7794C
Fasce, D. P. See Gómez, M. L., 289P
Faupel, F. See Erichsen, J., 1991P
Fei, Z.
—; Han, Y.; Bo, Z.: Synthesis of Porphyrin-Embedded Dendronized Polymers by Suzuki Polycondensation, 4030C
Feng, C.
—; Shen, Z.; Gu, L.; Zhang, S.; Li, L.; Lu, G.; Huang, X.: Synthesis and Characterization of PNIPAM-*b*- (PEA-*g*-PDEA) Double Hydrophilic Graft Copolymer, 5638C
Feng, C. See Gu, L., 4056C
Feng, J.-C. See Jiang, H.-J., 1548C
Feng, L.-F. See Zhang, C.-L., 4766C
Feng, L. See Zhang, C.-L., 936C
Feng, M.
—; Chen, Y.; He, N.; Gu, L.; Gao, L.; Hu, Z.; Lin, Y.; Zhuang, X.; Zhan, H.: Ultrasound-Assisted Bulk Synthesis of CdS-PVK Nanocomposites Via RAFT Polymerization, 5702C
Feng, Y. See Liu, Z.-T., 886C
Feng, Z.-G. See Tian, Z., 1042C
Feng, Z. See Zhang, X., 5283C
Fenouillot, F. See Jéol, S., 3985C
Fenouillot, F. See Elias, L., 1976P
Fermeglia, M. See Mensitieri, G., 8P
Fernández-García, M. See Muñoz-Bonilla, A., 85C; Ruiz, C., 7238C
Fernández, E.
—; López, D.; Mijangos, C.; Duskova-Smrckova, M.; Ilavsky, M.; Dusek, K.: Rheological and Thermal Properties of Agarose Aqueous Solutions and Hydrogels, 322P
Ferraro, G. See Galia, A., 7429C
Ferreira, L. F. V. See Costa, Alexandra I., 6477C
Ferreiro, J. J.
—; Campa, José G. de la; Lozano, A. E.; de Abajo, J.; Preston, J.: Synthesis and Evaluation of Properties of Novel Poly(benzimidazole-Amide)s, 7566C
Ferruti, P. See Baldoli, C., 1683C; Bencini, M., 1607C
Fierro, V. See Celzard, A., 971P
Fijten, M. W. M.
—; Hoogenboom, R.; Schubert, U. S.: Initiator Effect on the Cationic Ring-Opening Copolymerization of 2-Ethyl-2-Oxazoline and 2-Phenyl-2-Oxazoline, 4804C
Fijten, M. W. M. See Becer, C. Remzi, 7138C
Filardo, G. See Galia, A., 7429C; Giaconia, A., 257C
Fim, F. D. C.
—; Machado, T.; Sá, D. S.; Livotto, P. R.; Rocha, Z. N. D.; Basso, N. R. D. S.; Galland, G. B.: Synthesis of a New Zirconium Catalyst for Ethylene Polymerization, 3830C
Finelli, L. See Soccio, M., 170P, 818P
Fini, P. See Grisorio, R., 6051C
Fiori, S. See Mariani, A., 3344C
Fiorini, M. See Berti, C., 619P
Fischer, H. R. See Vlasveld, Daniel P. N., 1914P
Fish, B. M. See Ionkin, A. S., 585C
Fleury, E. See Binauld, S., 5506C; Thuillez, J., 4122C
Fones, B. B. See Ionkin, A. S., 585C
Fontaine, L. See Cracowski, J., 4383C
Fontana, A. See Cerritelli, S., 2477C
Forcada, J. See Imaz, A., 2510C, 2766C
Ford, W. T. See Karnati, R., 3813C
Fouassier, J. P. See El-Roz, M., 7369C
Fouassier, J. P. See Lalevée, J., 2008C
Fouassier, J. P. See Lalevée, J., 3042C
Foulger, S. H. See Evanoff, Jr., D. D., 7882C
Fournier, D. See Billiet, L., 6552C
Fragouli, P.
—; Iatrou, H.; Lohse, David J.; Hadjichristidis, N.: Linear Pentablock Quintopolymers (l-SIDMV) with Five Incompatible Blocks: Polystyrene, Polyisoprene-1,4, Poly(dimethylsiloxane), Poly(*tert*-Butyl Methacrylate), and Poly(2-Vinylpyridine), 3938C
Franco, L. See Vera, M., 661C
Franco, L. See Gestí, S., 2234P; Martínez-palau, M., 121P
Frauendorf, H. See Buback, M., 6071C
Frey, H. See Barriau, E., 2049C
Frey, M. W. See Xiao, M., 2326P
Frigione, M.
—; Lettieri, M.: Procedures Conditioning the Absorption/Desorption Benavior of Cold-Cured Epoxy Resins, 1320P
Frigoli, M. See Cannizzo, C., 3375C
Fritz-Popovski, G. See Sandholzer, M., 401C
Fuß, N. See Seidl, B., 289C
Fu, G. See Liu, L., 3294C
Fu, H. See Bergbreiter, D. E., 186C
Fu, Q.
—; Liu, C.; Lin, W.; Huang, J.: One-Pot Synthesis of Heterograft Copolymers Via "Graft Onto" by Atom Transfer Nitroxide Radical Coupling Chemistry, 6770C
Fu, Q. See Liu, J., 1449C, 7543C
Fu, Q. See Cui, L., 1360P; Lv, R., 1202P
Fu, S.-Y. See Yang, G., 612C
Fu, Y. See Zou, L., 702C
Fu, Y.
—; Sun, M.; Wu, Y.; Bo, Z.; Ma, D.: Conjugated Polymers Containing Electron-Transporting, Hole-Transporting, and Light-Emitting Units in the Polymer Main Chain, 1349C
Fu, Z.
—; Tao, W.; Shi, Y.: Synthesis of Densely Grafted Comblike Copolymers, 362C
Fujii, A. See Nagai, D., 1990C
Fujii, N. See Noguchi, H., 5101C
Fujiki, K. See Wei, G., 4218C
Fujiki, M.
—; Saxena, A.: Nonclassical Forces: Seemingly Insignificant But a Powerful Tool to Control Macromolecular Structures, 4637C
Fujimori, A.
—; Hoshizawa, H.; Kobayashi,

S.; Kanai, K.; Ouchi, Y.; Seki, K.: Layer Structure Estimation of Three-Dimensional Crystal and Two-Dimensional Molecular Film for Fluorinated Comb Copolymers, 534P
Fujiura, K. See Nagahama, K., 6317C
Fukukawa, K.-I. See Lee, Y., 8200C
Fukukawa, K.-I. See Park, S. C., 8041C
Fukumoto, H.
—; Yamamoto, T.: Preparation and Chemical Properties of Soluble π-Conjugated Poly(aryleneethynylene) Consisting of Azabenzo-Thiadiazole as the Electron-Accepting Unit, 2975C
Fukushima, K.
—; Kimura, Y.: An Efficient Solid-State Polycondensation Method for Synthesizing Stereocomplexed Poly(Lactic Acid)s with High Molecular Weight, 3714C
Fulchiron, R. See Olivier, L., 1734P
Fullana, M. J.
—; Miri, Massoud J.; Vadhavkar, Sameer S.; Kolhatkar, N.; Delis, Alexander C.: Polymerization of Methyl Acrylate and as Comonomer with Ethylene Using a Bis(imino)pyridine Iron(II) Chloride/Methylaluminoxane Catalyst, 5542C
Funahashi, M. See Noguchi, H., 5101C
Funari, S. S. See Stribeck, N., 721P
Furong, Z. See Vijila, C., 1159P
Furukawa, M. See Kojio, K., 2054P
Furuzono, T. See Mutsuo, S., 743P
Fustin, C.
—; Guillet, P.; Misner, Matthew J.; Russell, Thomas P.; Schubert, Ulrich S.; Gohy, J.: Self-Assembly of Metallo-Supramolecular Block Copolymers in Thin Films, 4719C
Fustin, C. See Lobert, M., 5859C

Gahan, L. R. See Bell, C. A., 146C
Gal, Y.-S. See Hwang, H. S., 1365C; Kim, S.-C., 1098C; Park, J. S., 6175C; Yoon, K.-J., 6762C
Galbis, J. A. See Zamora, F., 5167C
Galbrecht, F. See Bünnagel, T. W., 7342C
Galià, M. See Montero de Espinosa, L., 6843C; Spontón, M., 7162C
Galia, A.
—; Scialdone, O.; Ferraro, G.; Filardo, G.: Dispersion Polymerization of Vinyl Monomers in Supercritical Carbon Dioxide in the Presence of Drug Molecules: A One-Pot Route for the Preparation of Controlled Delivery Systems, 7429C
Galia, A. See Giaconia, A., 257C
Gall, K. See Diani, J., 1226P
Galland, G. B. See Carone, Carlos L. P., 54C; da Silva, M. A., 947C
Galland, G. B. See Vanegas, Ma. Eulalia, 798P
Galland, G. B. See Fim, F. D. C., 3830C
Ganachaud, F. See Kostjuk, S. V., 4734C; Radchenko, A. V., 6928C
Gangopadhyay, R.
—; Exploring Rheological Properties of Aqueous Polyaniline-PVP Dispersion, 2443P
Gao, F. See Wu, D., 233P
Gao, G.
—; Yao, P.: Structure and Activity Transition of Lysozyme on Interacting with and Releasing From Polyelectrolyte with Different Hydrophobicity, 4681C
Gao, H. See Huang, Z., 1618C; Li, Y., 93C; Xue, H., 2414C
Gao, K.
—; Li, G.; Shi, H.; Lu, X.; Gao, Y.; Xu, B.: Synthesis and Aggregation Behavior of Chitooligosaccharide-Based Biodegradable Graft Copolymers, 4889C
Gao, L. See Feng, M., 5702C; Liu, Y., 4227C
Gao, M.-L.
—; Sun, X.-L.; Gu, Y.-F.; Yao, X.-L.; Li, C.-F.; Bai, J.-Y.; Wang, C.; Ma, Z.; Tang, Y.; Xie, Z.; Bu, S.-Z.; Qian, C.: Copolymerization of Ethylene with Cycloolefins by Titanium Complexes Containing Tridentate [O^-NS^R] Ligands, 2807C
Gao, M. See Wang, B., 4584C
Gao, Y. See Gao, K., 4889C; Liu, J., 7187C; Zhang, W., 4151C
Garai, A.
—; Nandi, A. K.: Rheology of (±)-Camphor-10-Sulfonic Acid Doped Polyaniline-*m*-Cresol Conducting Gel Nanocomposites, 28P
García-Bernabé, A. See Sanchis, M. J., 109P
García, N. See Woecht, I., 1460C
García, N. See Hoyos, M., 1301P
Gargallo, L. See Sanchis, M. J., 109P
Garlick, J. L. See Kissin, Yury V., 5315C
Gasser, U. See Mortensen, K., 1660P
Gaudet, J. See Matsumura, S., 3860C
Gaudette, A. N. See Amanuel, S., 2733P
Gauthier, C. See Charrault, E., 1337P; Vu, H., 1820P
Gauthier, M. See Kee, R. A., 2335C; Munam, A., 5742C
Gawdzik, B. See Grochowicz, M., 6165C
Gazzano, M. See Berti, C., 619P; Soccio, M., 170P
Ge, X.
—; Wang, C.; Hu, Z.; Xiang, X.; Wang, J.; Wang, D.-Y.; Liu, C.; Wang, Y.: Phosphorus-Containing Telechelic Polyester-Based Ionomer: Facile Synthesis and Antidripping Effects, 2994C
Gedanken, A. See Perkas, N., 1719C
Gelan, J. See Mens, R., 138C
Gelves, G. A.
—; Lin, B.; Haber, J. A.; Sundararaj, U.: Enhancing Dispersion of Copper Nanowires in Melt-mixed Polystyrene Composites, 2064P
Genzer, J. See Ritz, P., 1919C
Georges, M. K. See Chan-Seng, D., 625C
Geppi, M. See Marini, M., 1699C
Gérard, J. F. See Vermogen, A., 1966P
Gérard, J-F. See Picard, E., 2593P
Gerstenberg, M. See Hansen, Natanya M. L., 8097C
Gestí, S.
—; Zanetti, M.; Lazzari, M.; Franco, L.; Puiggalí, J.: Study of Clay Nanocomposites of the Biodegradable Polyhexamethylene Succinate. Application of

Isoconversional Analysis to Nonisothermal Crystallization, 2234P
Ghebremeskel, Y.
—; Weiss, R. A.: Near Infrared Analysis of Blends of Sulfonated Polystyrene Ionomers and Poly(ε-Caprolactam), 1602P
Ghislandi, M.
—; Prado, L. A. S. A.; Oyerviedes, A. V.; Wittich, H.; Schulte, K.; Barros-timmons, A.: Functionalization of Carbon Nanofibers (CNFs) Through Atom Transfer Radical Polymerization for the Preparation of Poly(*tert*-Butyl Acrylate)/CNF Materials: Spectroscopic, Thermal, Morphological, and Physical Characterizations, 3326C
Giaconia, A.
—; Scialdone, O.; Apostolo, M.; Filardo, G.; Galia, A.: Surfactant Assisted Polymerization of Tetrafluoroethylene in Supercritical Carbon Dioxide with a Pilot Scale Batch Reactor, 257C
Giannelis, E. P. See Chrissopoulou, K., 2683P
Gibson, V. C. See Biagini, Stefano C. G., 7985C
Gigli, G. See Grisorio, R., 6051C
Gigmes, D. See Edeleva, M., 6828C
Gil, M. H. See Ü.Coelho, Jorge F. J., 6542C; Coelho, Jorge F. J., 421C
Gilbert, R. G. See Nejad, E. H., 6364C
Gilbert, R. G. See Nejad, Elham Hosseini, 2277C
Giles, M. R. See Biagini, Stefano C. G., 7985C
Gillies, E. R. See De Wit, M. A., 6376C
Gindl, W.
—; Reifferscheid, M.; Martinschitz, K. J.; Boesecke, P.; Keckes, J.: Reorientation of Crystalline and Noncrystalline Regions in Regenerated Cellulose Fibers and Films Tested in Uniaxial Tension, 297P
Ging Meng, N. See Vijila, C., 1159P
Gitsov, I.
—; Johnson, Frederick E.: Synthesis and Hydrolytic Stability of Poly(oxyethylene-H-Phosphonate)s, 4130C
Gitsov, I.
—; Hybrid Linear Dendritic Macromolecules: From Synthesis to Applications, 5295C
Gogibus, N. See Knoop, R. J. I., 3068C
Goh, J. H. See Lee, K. J., 3911C
Goh, S. L.
—; Platt, Andrew P.; Rutledge, Katherine E.; Lee, I.: Synthesis and Aggregation of Poly(valine)-Poly (ethylene Glycol) Block Copolymers , 5381C
Gohy, J. See Fustin, C., 4719C; Lobert, M., 5859C
Goikoetxea, M.
—; Barandiaran, M. J.; Asua, J. M.: *n*-Butanol Formation in Butyl Acrylate Containing Latexes: Mathematical Model, 4081C
Gomez, C. G.
—; Strumia, Miriam C.: Synthesis and Modification of Supports with an Alkylamine and Their Use in Albumin Adsorption, 2557C
Gómez, C. M. See Solar, L., 1837P
Gómez, M. A. See Martínez, G., 6722C
Gómez, M. L.
—; Fasce, D. P.; Williams, R. J. J.; Montejano, H. A.; Previtali, C. M.: Photoluminescence of Bridged Polysilsesquioxanes Containing Urea Groups: Doping with Safranine-O to Generate Red-Light Emission, 289P
Gómez, R. See Martínez, G., 6722C
Gomza, Y. See Anthoulis, G. I., 1036P
Gonçalves, C. M. B.
—; Coutinho, Joao A. P.; Marrucho, I. M.: Light Olefins/Paraffins Sorption in Poly(Lactic Acid) Films, 1P
Gonçalves, P. M. F. O. See Coelho, Jorge F. J., 421C
Gondi, S. R. See Li, M., 5093C
Gong, J. See Zhu, X., 5214C
Gong, Z. See Guo, X., 7491C
González, L.
—; Ramis, X.; Salla, J. M.; Mantecón, A.; Serra, A.: New Poly(ether-Ester) Thermosets Obtained by Cationic Curing of DGEBa and 7,7-Dimethyl-6,8-Dioxaspiro[3.5] Nonane-5,9-Dione with Several Lewis Acids as Initiators, 1229C
—; Simokaitiene, J.; Ramis, X.; Salla, J. M.; Mantecón, A.; Serra, A.: Synthesis of a New Diglycidylic Meldrum Acid Derivative and Study of the Curing with Lanthanide Triflates as Initiators, 3088C
Gonzalez-Alvarez, A. See Lopez-Ureta, L. C., 2667C
Goo, Y. See Jin, Y., 4407C
Goossens, J. G. P. See Jansen, M. A. G., 1203C; van der Mee, M. A. J., 1810C
Gopalan, P. See Cullen, Sean P., 5826C
Gotoh, Y. See Yamaguchi, T., 2126P, 2644P
Gou, P.-F.
—; Zhu, W.-P.; Shen, Z.-Q.: Synthesis and Characterization of Resorcinarene-Centered Eight-Arm Poly(ε-Caprolactone) Stars Catalyzed by Yttrium Complex, 2108C
—; Zhu, W.-P.; Xu, N.; Shen, Z.-Q.: Synthesis and Characterization of Well-defined Cyclodextrin-centered Seven-arm Star poly(ε-Caprolactone)s and Amphiphilic Star poly(ε-Caprolactone-*b*-Ethylene glycol)s, 6455C
Govaert, L. E.
—; Engels, Tom A. P.; Wendlandt, M.; Tervoort, T. A.; Suter, U. W.: Does the Strain Hardening Modulus of Glassy Polymers Scale with the Flow Stress?, 2475P
Govaert, L. E. See Kierkels, J. T. A., 134P
Gradzielski, M. See Kafouris, D., 3958C
Grainger, D. W. See Ayres, N., 7713C
Grazulevicius, J. V. See Tomkeviciene, A., 4674C
Greenberg, A. R. See Diani, J., 1226P
Greenfield, M. See Matloka, Piotr P., 3992C
Greesh, N.
—; Hartmann, Patrice C.; Cloete, V.; Sanderson, Ronald D.: Impact of the Clay Organic Modifier on the Morphology of Polymer–Clay Nanocomposites Prepared by

in Situ Free-Radical Polymerization in Emulsion, 3619C

Gregoriou, V. G. See Tzavalas, S., 668P

Grinstaff, M. W.
—; Dendritic Macromers for Hydrogel Formation: Tailored Materials for Ophthalmic, Orthopedic, and Biotech Applications, 383C

Griselda, B.

Grisorio, R.
—; Piliego, C.; Fini, P.; Cosma, P.; Mastrorilli, P.; Gigli, G.; Suranna, G. P.; Nobile, C. F.: Random Terpolymers for Electroluminescent Devices: Synthesis and Characterization of New Cyano-Containing Poly(fluorenylene-Vinylene)s, 6051C

Grochowicz, M.
—; Bartnicki, A.; Gawdzik, B.: Preparation and Characterization of Porous Polymeric Microspheres Obtained from Multifunctional methacrylate Monomers, 6165C

Grosse, M.-T.
—; Lamotte, M.; Birot, M.; Deleuze, H.: Preparation of Microcellular Polysiloxane Monoliths, 21C

Grover, M. A. See Rawlston, J. A., 6114C

Gruendling, T.
—; Pickford, R.; Guilhaus, M.; Barner-kowollik, C.: Degradation of RAFT Polymers in a Cyclic Ether Studied via high Resolution ESI-MS: Implications for Synthesis, Storage, and End-Group Modification, 7447C

Grunwald, S. R. See Pugh, C., 4363C

Grunzinger, S. J.
—; Hayakawa, T.; Kakimoto, M.: Synthesis of Multiblock Hyperbranched-Linear Poly(ether Sulfone) Copolymers, 4785C

Guèrin, G. See Chan-Seng, D., 625C

Gu, L.
—; Shen, Z.; Feng, C.; Li, Y.; Lu, G.; Huang, X.: Synthesis of Double Hydrophilic Graft Copolymer Containing Poly(ethylene Glycol) and Poly(methacrylic Acid) Side Chains Via Successive ATRP, 4056C

Gu, L. See Feng, C., 5638C; Feng, M., 5702C

Gu, W. See Zhang, Y., 2379C

Gu, X. See Wang, F., 5242C

Gu, Y.-F. See Gao, M.-L., 2807C

Gu, Y. See Zhang, R., 659P

Guadagno, L.
—; Naddeo, C.; Vittoria, V.: Mechano-Reversible Physical Aging of Elastic Oriented Syndiotactic Polypropylene, 599P

Guan, G.
—; Li, C.; Yuan, X.; Xiao, Y.; Liu, X.; Zhang, D.: New Insight into the Crystallization Behavior of Poly(ethylene terephthalate)/Clay Nanocomposites, 2380P

Guan, R. See Xu, Y., 453C

Guan, Y. See Yang, C., 203C

Guangshun, C. See Ying, X., 938P

Guastavino, F. See Hoyos, M., 1301P

Guay, D. See Matsumura, S., 3860C

Gudipati, C. S. See Hussain, H., 5604C, 7287C

Guebitz, G. M. See Brueckner, T., 6435C

Guerra, G. See Mensitieri, G., 8P

Guilhaus, M. See Gruendling, T., 7447C

Guilherme, M. R. See Reis, Adriano V., 2567C

Guillaneuf, Y.
—; Castignolles, P.: Using Apparent Molecular Weight From SEC in Controlled/Living Polymerization and Kinetics of Polymerization, 897C

Guillaneuf, Y. See Edeleva, M., 6828C; Nejad, E. H., 6364C; Nejad, E. H., 2277C; Radchenko, A. V., 6928C

Guillet, P. See Fustin, C., 4719C

Guiu, A. See Olivier, L., 1734P

Guiver, M. D. See Kim, D. S., 989C

Gujraty, K. V.
—; Yanjarappa, M. J.; Saraph, A.; Joshi, A.; Mogridge, J.; Kane, R. S.: Synthesis of Homopolymers and Copolymers Containing an Active Ester of Acrylic Acid by RAFT: Scaffolds for Controlling Polyvalent Ligand Display, 7249C

Guliashvili, T. See Lligadas, G., 278C

Gunbas, G. See Udum, Y. A., 3723C

Gunes, I. S.
—; Cao, F.; Jana, S. C.: Effect of Thermal Expansion on Shape Memory Behavior of Polyurethane and Its Nanocomposites, 1437P

Gungor, E.
—; Durmaz, H.; Hizal, G.; Tunca, U.: H-Shaped (ABCDE Type) Quintopolymer Via Click Reaction [3 + 2] Strategy, 4459C

Gungor, E.
—; Hizal, G.; Tunca, U.: A_2B_2 Type Miktoarm Star Copolymers via Alkyne Homocoupling Reaction, 6703C

Günther-Schade, K. See Erichsen, J., 1991P

Guo, H. See Wang, P., 1C, 7861C

Guo, J.-X. See Zhang, H.-H., 8131C

Guo, J.
—; Yu, L.; Liu, F.; Guo, R.; Ma, G.; Cao, H.; Yang, H.: Effect of Specific Rotation of Chiral Dopant and Polymerization Temperature on Reflectance Properties of Polymer Stabilized Cholesteric Liquid Crystal Cells, 1562P

Guo, J. See Rawlston, J. A., 6114C

Guo, L. See Li, G., 5028C

Guo, Q. See Su, X., 4529C

Guo, R. See Han, J., 740C

Guo, R. See Guo, X., 7491C; Zhou, C., 3563C

Guo, R. See Guo, J., 1562P

Guo, S.
—; Zhang, Y.: Concentration Controlled Multilevel Self-Assembly of 3-Armed Poly(ethylene Glycol)-*b*-Poly(ϵ-Caprolactone) Block Copolymers Investigated by AFM, 1412P

Guo, X.
—; Li, H.; Gong, Z.; Zhang, F.; Zheng, S.; Guo, R.: Micelle-to-Vesicle Transition Induced by Oligonucleotide in SDS/DEAB Mixed System with a net Negative Charge, 7491C
—; Yao, B.; Jiang, G.; Cheng, Y.; Xie, Z.; Wang, L.; Jing, X.; Wang, F.: Synthesis and Characterization of Color-Stable Electroluminescent Polymers: Poly(dinaphtho

[1,2-A:1′,2′-G]-*s*-Indacene)s, 4866C
—; Melting Behavior of a Poly(ether-*block*-Amide) Copolymer Melt-crystallized Under Quiescent, Isothermal Conditions, 2035P
Guo, X. See He, C., 4140C
Guo, Z. See He, C., 4140C
Guo, Z. See Dong, M., 1183P, 1725P
Gupta, V. K. See Kaur, S., 7299C
Gürsel, S. A. See Mortensen, K., 1660P
Gyanda, R. See Katritzky, A. R., 238C

Ha, C.-S. See Bahuleyan, B. K., 1066C; Mathews, A. S., 8117C
Ha, J. S. See Park, S. C., 8041C
Ha, S. See Cullen, Sean P., 5826C
Habaue, S. See Temma, T., 1034C
Haber, J. A. See Gelves, G. A., 2064P
Habibi, Y.
—; Heim, T.; Douillard, R.: AC Electric Field-Assisted Assembly and Alignment of Cellulose Nanocrystals, 1430P
Habraken, G. J. M. See Knoop, Rutger J. I., 3068C
Haddleton, D. M. See Hansen, Natanya M. L., 8097C; Muñoz-bonilla, A., 85C; Wright, P. M., 7376C
Hadjichristidis, N. See Driva, P., 1826C; Fragouli, P., 3938C
Hagihara, H.
—; Ishihara, T.; Ban, H. T.; Shiono, T.: Precise Control of Microstructure of Functionalized Polypropylene Synthesized by the *ansa*-Zirconocene/ MAO Catalysts, 1738C
Hagihara, H. See Ban, H. T., 7395C
Hagooly, A. See Zhang, K., 7578C
Hahn, S. See Becer, C. Remzi, 7138C
Hahn, S. F. See So, Y., 2799C
Haider, A. F.
—; Williams, C. K.: Synthesis of Highly Functionalized Oligo- and Copolyesters From a Carbohydrate Lactone, 2891C
Haider, A. F. See Tang, M., 4352C
Hakala, K. See Aitola, E., 373C
Hakkarainen, M. See Höglund, A., 4617C
Hakkou, K. See Zamora, F., 5167C
Halbach, T. S.
—; Thomann, Y.; Mülhaupt, R.: Boehmite Nanorod-Reinforced-Polyethylenes and Ethylene/1-Octene Thermoplastic Elastomer Nanocomposites Prepared by *in Situ* Olefin Polymerization and Melt Compounding, 2755C
Hamaide, T. See Binauld, S., 5506C
Haman, K. See Mauldin, T. C., 6851C
Hamana, H. See Umino, Y., 7011C
Han, C.
—; Balasubramanian, A.: Highly Fluorescent Mono-Substituted Poly(arylacetylene)s Containing Tolane Chromophores, 5483C
Han, C. C. See Wang, P., 3424C
Han, D.-H.
—; Pan, C.-Y.: Synthesis and Characterization of Water-Soluble Gold Nanoparticles Stabilized by Comb-Shaped Copolymers, 341C
Han, H. See Hong, J., 2884C
Han, J.
—; Liu, Y.; Guo, R.: A Novel Templateless Method to Nanofibers of Polyaniline Derivatives with Size Control, 740C
Han, J. See Zhou, C., 3563C
Han, M. See Huo, L., 4038C
Han, S. C. See Lee, J. W., 1083C
Han, S.-C. See Sun, X.-L., 6950C
Han, S. See Li, Y., 5115C
Han, Y.-K. See Lee, M.-J., 6734C; Wu, C.-S., 1800C
Han, Y. See Fei, Z., 4030C; Li, W., 4556C
Hanabusa, K. See Suzuki, M., 353C
Hanci, S. See Katritzky, A. R., 238C
Hanif, M. See Wang, F., 5242C
Hanik, N. See Hilf, S., 2913C
Hansen, N. M. L.
—; Gerstenberg, M.; Haddleton, D. M.; Hvilsted, S.: Synthesis, Characterization, and Bulk Properties of Amphiphilic Copolymers Containing Fluorinated Methacrylates From Sequential Copper-Mediated Radical Polymerization, 8097C
Hao, J. See Pei, X., 3014C, 7225C
Hao, P. See Liu, S., 3411C
Hara, Y. See Okuzaki, H., 305P
Harada, A. See Kawamura, A., 3842C
Hardy, I. See Cracowski, J., 4383C
Hardy, N. J. See Holder, S. J., 7739C
Harrison, J. S. See Kang, J. H., 2532P
Hart-Smith, G. See Chaffey-millar, H., 1873C
Hartmann, P. C. See Samakande, A., 7114C
Hartmann, P. C. See Greesh, N., 3619C
Harton, S. E.
—; Kumar, S. K.: Mean-Field Theoretical Analysis of Brush-Coated Nanoparticle Dispersion in Polymer Matrices, 351P
Harwood, H. J.
—; Mcnamara, K.; Johnson, James J.; Wyzgoski, Faith J.: Initiator Selectivity During Free Radical Copolymerizations of Styrene and Methyl Methacrylate Initiated by Anaerobic Copper(II) Oxidation of Carbon-13 Labeled Acetophenone, 2347C
Hasegawa, M. See Mori, T., 1577C
Hasegawa, Y. See Akiyama, Y., 5471C
Hashimoto, T.
—; Makino, Y.; Urushisaki, M.; Sakaguchi, T.: Living Cationic Polymerization of 2-Adamantyl Vinyl Ether, 1629C
—; Mori, H.; Urushisaki, M.: Poly(Tetramethylene Ether) Glycol Containing Acetal Linkages: New PTMG-Based Polyol for Chemically Recyclable Polyurethane Thermoplastic Elastomer, 1893C
—; Namikoshi, T.; Irie, S.; Urushisaki, M.; Sakaguchi, T.; Nemoto, T.; Isoda, S.: Synthesis and Microphase-Separated Structure of Poly(Tricyclodecyl Vinyl Ether)-*block*-Poly(*n*-Butyl Vinyl Ether)-*block*-

Poly(Tricyclodecyl Vinyl Ether): New Triblock Copolymer as Thermoplastic Elastomer Composed Solely of Poly(Vinyl Ether) Backbones, 1902C
Hatate, Y. See Yoshida, M., 1749C
Hatoyama, N. See Ishizu, K., 3429C
Hatzikiriakos, S. G. See Delgadillo-velázquez, O., 1669P
Hawker, C. J. See Khan, A., 6238C; Lee, Y., 8200C; Park, S. C., 8041C; Takizawa, K., 5977C
Hawker, C. J. See Takizawa, K., 2897C
Hay, A. S. See Matsumura, S., 6365C
Hay, A. S. See Matsumura, S., 3860C
Hay, J. N. See Al Lafi, A. G., 1094P, 2212P
Hayakawa, T. See Grunzinger, Stephen J., 4785C; Shimizu, T., 1945C
He, C. B. See Hussain, H., 5604C, 7287C
He, C.
—; Zhao, C.; Guo, X.; Guo, Z.; Chen, X.; Zhuang, X.; Liu, S.; Jing, X.: Novel Temperature- and PH-Responsive Graft Copolymers Composed of Poly(L-Glutamic Acid) and Poly(*N*-Isopropylacrylamide), 4140C
He, C. See Hussain, H., 766C; Sun, M., 3007C; Xu, J., 4691C
He, F. See Wang, F., 5242C
He, F. See Li, Y., 1105P
He, J.
—; Ni, P.; Liu, C.: Synthesis and Characterization of Amphiphilic Fluorinated Pentablock Copolymers Based on Pluronic F127, 3029C
—; Yan, B.; Yu, B.; Wang, S.; Wang, X.; Wang, J.; Zeng, Y.; Ran, R.; Wang, Y.: Fine Adjustment of Network in Polymer Network Liquid Crystal Film Employing RAFT Polymerization, 3140C
He, J. See Sun, W., 5518C
He, J. See Wu, D., 677P; Zhai, W., 1641P
He, L.-P.
—; Liu, J.-Y.; Pan, L.; Li, Y.-S.: Ethylene Polymerization of the New Titanium Complexes Bearing a Phosphine Oxide-Bridged Bisphenolato Ligand, 7062C
He, L. See Kong, J., 1280P
He, N. See Chen, Y., 4249C; Feng, M., 5702C; Sun, X.-L., 6950C
He, Q. See Deng, J., 2193C
He, T. See Li, X., 1589P
He, W.-D. See Sun, X.-L., 6950C
He, X.
—; Sun, W.; Yan, D.; Xie, M.; Zhang, Y.: Synthesis and Characterization of Side-Chain Liquid Crystalline ABC Triblock Copolymers with *p*-Methoxyazobenzene Moieties by Atom Transfer Radical Polymerization, 4442C
—; Tang, J.: Kinetics of Self-Condensing Vinyl Hyperbranched Polymerization in Three-Dimensional Space, 4486C
He, Y.-M. See Liu, Z.-T., 886C
He, Y.
—; Wu, T.; Wei, J.; Fan, Z.; Li, S.: Morphological Investigation on Melt Crystallized Polylactide Homo- and Stereocopolymers by Enzymatic Degradation with Proteinase K, 959P
Heidenreich, A. J.
—; Puskas, J. E.: Synthesis of Arborescent (Dendritic) Polystyrenes Via controlled Inimer-Type Reversible Addition-Fragmentation Chain Transfer Polymerization, 7621C
Heim, T. See Habibi, Y., 1430P
Heinze, T.
—; Schöbitz, M.; Pohl, M.; Meister, F.: Interactions of Ionic Liquids with Polysaccharides. IV. Dendronization of 6-Azido-6-Deoxy Cellulose , 3853C
Heinze, T. See Köhler, S., 4070C
Heise, A. See Knoop, Rutger J. I., 3068C
Hellaye, M. L. See Quémener, D., 155C
Hellaye, M. L.
—; Lefay, C.; Davis, T. P.; Stenzel, M. H.; Barner-Kowollik, C.: Simultaneous Reversible Addition Fragmentation Chain Transfer and Ring-Opening Polymerization, 3058C
Hemalatha, J. See Prabhakaran, T., 2418P
Henna, P. See Mauldin, T. C., 6851C
Henry, G. R. P.
—; Drooghaag, X.; Rousseaux, D. D. J.; Sclavons, M.; Devaux, J.; Marchand-Brynaert, J.; Carlier, V.: A Practical Way of Grafting Maleic Anhydride Onto Polypropylene Providing High Anhydride Contents Without Sacrificing Excessive Molar Mass, 2936C
Heo, H. Y. See Song, H., 5850C
Heuchel, M. See Hölck, O., 59P
Heumann, S. See Brueckner, T., 6435C
Heuts, J. P. A. See Smeets, Niels M. B., 5839C
Hicri, S. See Degirmenci, M., 5404C
Hietala, S. See Lintinen, K., 5194C; Nuopponen, M., 38C
Higashihara, T. See Nakabayashi, K., 7332C
Hilf, S.
—; Hanik, N.; Kilbinger, Andreas F. M.: A "Click" Approach to ROMP Block Copolymers, 2913C
Hill, A. J. See Duthie, X., 1879P
Hiorns, R. C. See Ouhib, F., 7505C
Hirabayashi, T. See Nagai, A., 4879C; Takasu, A., 2300C
Hiraiwa, A. See Kawatsuki, N., 4712C
Hirano, T.
—; Masuda, S.; Sato, T.: Hydrogen-Bond-Assisted Syndiotactic-Specific Radical Polymerization of *N,N*-Dimethylacrylamide in the Presence of Tartrates, 3145C
—; Miyazaki, T.; Ute, K.: Synthesis of Heterotactic and Syndiotactic Polyacrylamides Via Stereospecific Radical Polymerization of *N-tert*-Butoxycarbonylacrylamide in the Presence of Fluorinated Alcohols, 5698C
—; Nakamura, K.; Kamikubo, T.; Ishii, S.; Tani, K.; Mori, T.; Sato, T.: Hydrogen-Bond-Assisted Syndiotactic-Specific Radical Polymerizations of *N*-Alkylacrylamides: the Effect of the *N*-Substituents on the Stereospecificities and Unusual Large Hysteresis in the Phase-Transition Behavior of Aqueous Solution of Syndiotactic Poly(*N-n*-Propylacrylamide), 4575C

Hiraren, T. See Ihara, E., 1638C
Hitoosa, S. See Yamaguchi, T., 2126P, 2644P
Hizal, A. See Durmaz, H., 7091C
Hizal, G. See Altintas, O., 1218C; Dag, A., 302C, 6969C; Durmaz, H., 7091C; Gungor, E., 4459C, 6703C
Hlil, A. R. See Matsumura, S., 3860C, 6365C
Ho, C. H.
—; Odermatt, E.; Berndt, I.; Tiller, J. C.: Ways of Selective Polycondensation of L-Lysine Towards Linear α- and ϵ-Poly-L-Lysine, 5053C
Ho, K.-C. See Tu, C.-W., 47C
Ho, K.-S. See Wu, C.-S., 1800C
Ho, K. See Hsieh, T., 1214P
Ho, R.-M. See Lin, W.-F., 4843C
Ho, T. See Hsieh, T., 1214P
Ho, W. D. See Wu, K. H., 926C
Hong, M. H.
—; Kim, M. H.; Cho, M. J.; Kim, K. H.; Kim, K. N.; Jin, J.; Choi, D. H.: Dendronized Tricyanopyrroline-Based Chromophores in Nonlinear Optical Active Host Polymer, 5064C
Hoefer, M. See Seidl, B., 289C
Höfer, M.
—; Moszner, N.; Liska, R.: Oxygen Scavengers and Sensitizers for Reduced Oxygen Inhibition in Radical Photopolymerization, 6916C
Hofmann, D. See Hölck, O., 59P
Höglund, A.
—; Albertsson, A.-C.: Spontaneous Crosslinking of Poly(1,5-dioxepan-2-one) Originating From Ether Bond Fragmentation, 7258C
Höglund, A.
—; Hakkarainen, M.; Kowalczuk, M.; Adamus, G.; Albertsson, A.: Fingerprinting the Degradation Product Patterns of Different Polyester-Ether Networks by Electrospray Ionization Mass Spectrometry, 4617C
Hojjati, B.
—; Charpentier, Paul A.: Synthesis and Kinetics of Graft Polymerization of Methyl Methacrylate From the RAFT Coordinated Surface of Nano-TiO_2, 3926C
Hölck, O.
—; Heuchel, M.; Böhning, M.; Hofmann, D.: Simulation of Experimentally Observed Dilation Phenomena During Integral Gas Sorption in Glassy Polymers, 59P
Holdcroft, S. See Matsumura, S., 3860C
Holder, E. See Tsami, A., 7794C
Holder, S. J.
—; Durand, G. G.; Yeoh, C.-T.; Illi, E.; Hardy, N. J.; Richardson, T. H.: The Synthesis and Self-Assembly of ABA Amphiphilic Block Copolymers Containing Styrene and Oligo(ethylene glycol) Methyl Ether Methacrylate in Dilute Aqueous Solutions: Elevated Cloud Point Temperatures for Thermoresponsive Micelles, 7739C
Holst, M. See Xu, J., 2155P
Holt, D. J. See Ayres, N., 7713C
Honda, Y. See Shibahara, Y., 1P
Hong, C. K. See Hong, J., 2884C
Hong, C. S. See Cho, M. J., 7419C
Hong, H.
—; Mai, Y.; Zhou, D.; Chen, Y.: Synthesis and Supramolecular Self-Assembly of Thermosensitive Amphiphilic Star Copolymers Based on a Hyperbranched Polyether Core, 668C
Hong, J.
—; Han, H.; Hong, C. K.; Shim, S. E.: A Direct Preparation of Silica Shell on Polystyrene Microspheres Prepared by Dispersion Polymerization with Polyvinylpyrrolidone, 2884C
Hong, J. See Mao, C., 631P
Hong, K. H.
—; Sun, G.: Structures and Photoactive Properties of Poly(styrene-*co*-vinylbenzophenone), 2423P
Hong, S. See Wang, P., 3424C
Hong, S. B. See Nguyen, C.T. **725C,**
Hoogenboom, R. See Becer, C. Remzi, 7138C; Fijten, Martin W. M., 4804C; Lobert, M., 5859C
Hoppe, S. See Zhang, C.-L., 4766C
Horák, D. See Šponarová, D., 6263C
Horibe, H. See Danno, T., 558P
Horkay, F.
—; Basser, P. J.: Ionic and pH Effects on the Osmotic Properties and Structure of Polyelectrolyte Gels, 2803P
Hoshizawa, H. See Fujimori, A., 534P
Hosoya, K. See Aoki, H., 4651C; Tsujioka, N., 3272C
Hou, C.
—; Qu, R.; Ji, C.; Sun, C.; Wang, C.: Reverse ATRP Process of Acrylonitrile in the Presence of Ionic Liquids, 2701C
Hou, X.
—; Huang, D.; Chen, X.; Zhang, Z.; Yao, K.: Synthesis and Properties of Porous Polyvinylamine Microspheres From Acrylonitrile, 1674C
Housni, A. See Deng, Z., 4984C
Howdle, S. M. See Pini, R., 483P
Hoyle, C. See Nason, C., 8091C
Hoyle, C. E. See Zhou, H., 3766C
Hoyos, M.
—; García, N.; Navarro, R.; Dardano, A.; Ratto, A.; Guastavino, F.; Tiemblo, P.: Electrical Strength in Ramp Voltage AC Tests of LDPE and Its Nanocomposites with Silica and Fibrous and Laminar Silicates, 1301P
Hrdličková, M. See Podešva, J., 3919C
Hrovat, K. J. See Marks, M. J., 1632P
Hrubý, M. See Podešva, J., 3919C
Hsiao, B. S. See Toki, S., 2456P
Hsiao, T.-J. See Lin, W.-F., 4843C
Hsieh, B.-Z. See Wu, C.-S., 1800C
Hsieh, B.
—; Chen, Y.: Polyfluorenes Minimally Doped with 1,4-Bis(2-Thienyl-2-Cyanovinyl)benzene Chromophore: Their Synthesis, Characterization, and Application to White-Light-Emitting Materials, 3703C
Hsieh, T.-H. See Wu, C.-S., 1800C
Hsieh, T.
—; Huang, J.; Ho, K.; Bi, X.; Ho, T.; Yang, S.; Chang, Y.: Preparation and Characterization of Vinylidene Chloride-*co*-Vinyl Chloride Copolymer/Fluorinated Synthetic Mica Nanocomposites I Thermal and Mechanical Properties Studies, 1214P

Hsu, C.-S. See Vellis, P. D., 7702C
Hsu, S. L.-C.
—; Lin, K.-S.; Wang, C.: Preparation of Polybenzoxazole Fibers via electrospinning and Postspun Thermal Cyclization of Polyhydroxyamide, 8159C
Hsu, S. L.-C. See Lee, P.-I., 464C
Hsu, S. See Wu, T., 1207P
Hsu, Y. See Li, K., 4285C
Hu, G.-H. See Zhang, C.-L., 4766C
Hu, G.-H. See Chinellato, A. C., 1811P
Hu, H.
—; Shangguan, Y.; Zuo, M.; Zheng, Q.: Investigation on LCST Behavior of a New Amorphous/crystalline Polymer Blend: Poly(*n*-Methyl methacrylimide)/poly(vinylidene fluoride), 1923P
Hu, H. See Huang, Z., 1618C
Hu, J.
—; Huang, L.; Zhuang, X.; Chen, X.; Wei, Y.; Jing, X.: A New Oxidation State of Aniline Pentamer Observed in Water-Soluble Electroactive Oligoaniline-Chitosan Polymer, 1124C
Hu, J. See Takizawa, K., 5977C
Hu, K. See Zheng, H., 2575C
Hu, L. See Xie, J., 1140P
Hu, T. See Xie, H., 7310C
Hu, W. See Kong, X., 4522C
Hu, X.
—; Chen, X.; Liu, S.; Shi, Q.; Jing, X.: Novel Aliphatic Poly(ester-Carbonate) with Pendant Allyl Ester Groups and Its Folic Acid Functionalization, 1852C
—; Chen, X.; Xie, Z.; Cheng, H.; Jing, X.: Aliphatic Poly(ester-carbonate)s Bearing Amino Groups and Its RGD Peptide Grafting, 7022C
Hu, X. See Xu, Z., 481C
Hu, Y. See Jiang, W., 766P
Hu, Y. Q.
—; Kim, M. S.; Kim, B. S.; Doo, S. L.: RAFT Synthesis of Amphiphilic (A-*ran*-B)-*b*-C Diblock Copolymers with Tunable PH-Sensitivity, 3740C
Hu, Z. See Feng, M., 5702C; Qian, Z., 228C
Hua, J.
—; Lam, J. W. Y.; Yu, X.; Wu, L.; Kwok, H. S.; Wong, K. S.; Tang, B. Z.: Synthesis, Light Emission, and Photovoltaic Properties of Perylene-Containing Polyacetylenes, 2025C
Huang, C.-F. See Cheng, C.-C., 6416C
Huang, C. See Kuo, S., 3108C
Huang, D. See Hou, X., 1674C
Huang, G. See Qu, L., 1652P, 72P
Huang, J.-W.
—; Poly(butylene Terephthalate)/Clay Nanocomposite Compatibilized with Poly(ethylene-*co*-Glycidyl Methacrylate). II. Nonisothermal Crystallization, 564P
Huang, J. See Fu, Q., 6770C; Liu, C., 6754C; Wang, G., 1136C, 2154C; Zhang, Y., 2624C
Huang, J. See Hsieh, T., 1214P
Huang, K.-Y. See Chang, C.-W., 7937C
Huang, L. See Hu, J., 1124C; Xu, L., 473C
Huang, N. See Zhao, C., 589P
Huang, P.-T. See Wu, C.-S., 1800C
Huang, Q. See Ma, L., 33C
Huang, S.
—; Jiang, S.; An, L.; Chen, X.: Crystallization and Morphology of Poly(ethylene Oxide-*b*-Lactide) Crystalline–Crystalline Diblock Copolymers, 1400P
Huang, W. See Jiang, H.-J., 1548C
Huang, X.
—; Du, F.; Zhang, B.; Zhao, J.; Li, Z.: Acid-Labile, Thermoresponsive (Meth)acrylamide Polymers with Pendant Cyclic Acetal Moieties, 4332C
—; Kim, C.; Ma, Z.; Jiang, P.; Yin, Y.; Li, Z.: Correlation Between Rheological, Electrical, and Microstructure Characteristics in polyethylene/aluminum Nanocomposites, 2143P
—; Tan, Y.; Wang, Y.; Yang, H.; Cao, J.; Che, Y.: Synthesis, Characterization, and Properties of Copolymer of Acrylamide and Complex Pseudorotaxane Monomer Consisting of Cucurbit[6]uril with Butyl Ammonium Methacrylate, 5999C
Huang, X. See Feng, C., 5638C; Gu, L., 4056C
Huang, Y.-J. See Wu, C.-S., 1800C
Huang, Y. See Chen, S.-Y., 1964C; Hung, W.-C., 6466C; Lee, R., 4320C; Li, Y., 6907C; Tian, W., 5036C
Huang, Y. See Sheen, Y., 1984P; Zhang, Q., 1243P
Huang, Z. X.
—; Zhang, Y. M.; Li, H.; Luan, Y. H.; Liu, Y. G.: Atom Transfer Radical Polymerization of Methyl Methacrylate Catalyzed by Ion Exchange Resin Immobilized Co(II) Hybrid Catalyst, 1416C
Huang, Z.-Q. See Zhang, H.-H., 8131C
Huang, Z.
—; Song, K.; Liu, F.; Long, J.; Hu, H.; Gao, H.; Wu, Q.: Synthesis and Characterization of a Series of 2-Aminopyridine Nickel(II) Complexes and Their Catalytic Properties Toward Ethylene Polymerization, 1618C
Hubbell, J. A. See Cerritelli, S., 2477C
Hug, G. L. See Bartoszewicz, J., 8013C
Huh, J. O. See Park, M. H., 5816C
Huijbregts, L. J. See Yuan, M., 1079P
Hun Kim, S. See Ki Kim, D., 2255P
Hung, H.-J. See Liu, J.-H., 6214C
Hung, W.-C.
—; Huang, Y.; Lin, C.-C.: Efficient Initiators for the Ring-opening Polymerization of L-lactide: Synthesis and Characterization of NNO-tridentate Schiff-base Zinc Complexes, 6466C
Hunt, Z. J. See Evanoff, Jr., D. D., 7882C
Huo, J. See Cheng, J., 1529P
Huo, L.
—; Tan, Z.; Wang, X.; Zhou, Y.; Han, M.; Li, Y.: Novel Two-Dimensional Donor–Acceptor Conjugated Polymers Containing Quinoxaline Units: Synthesis, Characterization, and Photovoltaic Properties, 4038C
Hussain, H.
—; Mya, K. Y.; Xiao, Y.; He, C.:

Octafunctional Cubic Silsesquioxane (CSSQ)/ Poly(methyl Methacrylate) Nanocomposites: Synthesis by Atom Transfer Radical Polymerization at Mild Conditions and the Influence of CSSQ on Nanocomposites, 766C
—; Tan, B. H.; Gudipati, C. S.; Liu, Y.; He, C. B.; Davis, T. P.: Synthesis and Self-Assembly of Poly(styrene)-*b*-Poly (*N*-Vinylpyrrolidone) Amphiphilic Diblock Copolymers Made Via a Combined ATRP and MADIX Approach, 5604C
—; Tan, B. H.; Gudipati, C. S.; Xaio, Y.; Liu, Y.; Davis, T. P.; He, C. B.: Synthesis and Characterization of Organic/ Inorganic Hybrid Star Polymers of 2,2,3,4,4,4-Hexafluorobutyl Methacrylate and Octa(aminophenyl)-silsesquioxane Nano-Cage Made Via a Tom Transfer Radical Polymerization, 7287C

Hussain, M. A.
—; Unconventional Synthesis and Characterization of Novel Abietic Acid Esters of Hydroxypropylcellulose as Potential Macromolecular Prodrugs, 747C

Hutcheson, S. A. See Li, Q., 2719P; O'connell, P. A., 1952P, 2278P

Hvilsted, S. See Dimitrov, I., 7827C; Hansen, Natanya M. L., 8097C

Hwang, D.-H. See Cho, H.-J., 979C

Hwang, H. S.
—; Yuvaraj, H.; Kim, W. S.; Lee, W.-K.; Gal, Y.-S.; Lim, K. T.: Dispersion Polymerization of MMa in Supercritical CO_2 Stabilized by Random Copolymers of 1*H*,1*H*–Perfluorooctyl Methacrylate and 2-(Dimethylaminoethyl Methacrylate), 1365C

Hwang, K. Y. See Lin, C. H., 4970C, 7898C

Hwang, M.
—; Yang, H.; Park, S.; Lee, D. H.; Cho, K.: The Effects of Solvent Type and Aging on Structural Development in Poly(vinyl Chloride) Thermoreversible Gels, 263P

Hwang, S. Y.
—; Lee, W. D.; Lim, J. S.; Park, K. H.; Im, S. S.: Dispersibility of Clay and Crystallization Kinetics for *in Situ* Polymerized PET/Pristine and Modified Montmorillonite Nanocomposites, 1022P

Hwang, S.
—; Lee, Y.; Lee, C.; Ahn, I.: Manganese(III) Acetate-Catalyzed Synthesis of Polyguaiacol, 6009C

Hwang, W.-F. See Kobashi, K., 1265C

Hyun, S. H. See Kwak, G., 5371C

Hyun, H.
—; Cho, J. S.; Kim, B. S.; Lee, J. W.; Kim, M. S.; Khang, G.; Park, K.; Lee, H. B.: Comparison of Micelles Formed by Amphiphilic Star Block Copolymers Prepared in the Presence of a Nonmetallic Monomer Activator, 2084C

Hyung, G. W. See Kim, J. H., 1710C

Ian, W. D. See Mercadé-Prieto, R., 1007P

Iatrou, H. See Fragouli, P., 3938C

Ibarboure, E. See de Cuendias, A., 4602C

Ichikawa, T. See Shimizu, T., 1945C

Ichimori, T. See Kimura, K., 1598C

Icli, S. See Koyuncu, S., 1974C

Ihara, E.
—; Hiraren, T.; Itoh, T.; Inoue, K.: Palladium-Mediated Polymerization of Cyclic Diazoketones, 1638C

Ihara, H. See Czaun, M., 6664C

Iijima, M. See Kawamura, A., 3842C

Iino, Y. See Kihara, N., 6255C

Iji, M. See Moon, S., 4433C

Ikeda-Fukazawa, T.
—; Kita, D.; Nagashima, K.: Raman Spectroscopic Study of CO_2 Sorption Process in Poly Methyl Methacrylate, 831P

Ikeda, I. See Sugihara, S., 1913C

Ikladious, N. E.
—; Mansour, S. H.; Rozik, N. N.; Dirnberger, K.; Eisenbach, C. D.: New Aliphatic Hyperbranched Polyester Polyols Based on 1,3,5-Tris(2-Hydroxyethyl) Cyanuric Acid as a Core, 5568C

Ikuta, H. See Urakawa, O., 2556P

Ilavsky, M. See Fernández, E., 322P

Illi, E. See Holder, S. J., 7739C

Im, C. See Chang, J., 2395P

Im, S. S. See Hwang, S. Y., 1022P; Lim, J. S., 925P

Im, S.-S. See Shin, K.-M., 879P

Imai, K. See Mori, T., 1577C

Imai, T. See Naga, N., 4513C

Imaz, A.
—; Forcada, J.: *N*-Vinylcaprolactam-Based Microgels: Effect of the Concentration and Type of Cross-Linker, 2766C
—; Forcada, J.: *N*-Vinylcaprolactam-Based Microgels: Synthesis and Characterization, 2510C

Immediata, I. See Napoli, M., 4725C

Inoue, K. See Ihara, E., 1638C

Inoue, Y. See Nishihara, Y., 3314C

Inoue, Y. See Pan, P., 2222P; Shin, K.-m., 879P

Ionkin, A. S.
—; Marshall, W. J.; Adelman, D. J.; Fones, B. B.; Fish, B. M.; Schiffhauer, MattHew F.; Soper, P. D.; Waterland, R. L.; Spence, R. E.; Xie, T.: High-Temperature Catalysts for the Production of α-Olefins Based on Iron(II) and Iron(III) Tridentate Bis(imino)pyridine Complexes Modified by Nitrilo Group, 585C

Iratçabal, P. See Ouhib, F., 7505C

Irie, S. See Hashimoto, T., 1902C

Ishida, H. See Kiskan, B., 414C

Ishihara, K. See Yan, L., 3306C

Ishihara, T. See Hagihara, H., 1738C

Ishii, S. See Hirano, T., 4575C

Ishizu, K.
—; Hatoyama, N.; Makino, M.; Tokuno, Y.; Uchida, S.: Encapsulation of Silver Nanoparticles Within Micropores of Block Copolymers Constructed by Emulsion-Induced Method, 3429C
—; Murakami, T.; Uchida, S.: Effect of Branching Topology on Polymer Crystallinity, 1525P

Ishizuka, N. See Tsujioka, N., 3272C
Isobe, Y.
—; Sudo, A.; Endo, T.: Thermally Dissociable *Pseudo*-Polyrotaxane as a Supramolecular Shrinkage Suppressor for Epoxy–Amine Curing System, 2305C
Isoda, S. See Hashimoto, T., 1902C
Isoyama, G. See Shibahara, Y., 1P
Israëli, Y. See Barichard, A., 636C
Ito, H.
—; Trinque, B. C.; Kasai, P.; Willson, C. Grant: Penultimate Effect in Radical Copolymerization of 2-Trifluoromethylacrylates, 1559C
Ito, H. See Kim, K. H., 847P
Ito, O. See Chen, Y., 4249C
Itoh, T. See Ihara, E., 1638C
Iverson, D. See Rawal, A., 857P
Iwakura, Y. See Kaito, A., 1376P
Iyer, B. V. S.
—; Shanbhag, S.; Juvekar, V. A.; Lele, A. K.: Self-Diffusion Coefficient of Ring Polymers in Semidilute Solution, 2370P
Izawa, S. See Nishihara, Y., 3314C
Izumi, Y. See Shibahara, Y., 1P

Jadhav, V. See Rossi, Nicholas A. A., 4021C
Jaidann, M.
—; Brisson, J.: Conformation Study of Poly(*p*-Dioxanone) Fibers by Polarized Raman Spectroscopy, X-Ray Diffraction, and Conformation Analysis, 406P
Jalkanen, P. See Lintinen, K., 5194C
Jamieson, A. M. See L. A.; Utracki, 2483P
Jana, S. C. See Gunes, I. SEDAT, 1437P
Janata, M. See Vlček, P., 564C
Jang, H. See Lee, G., 3078C
Jang, J. See Li, Y., 5115C
Jang, S.-H. See Choi, J., 2079P
Jankauskas, V. See Tomkeviciene, A., 4674C
Janke, A. See Thunga, M., 329P
Jankova, K. See Dimitrov, I., 7827C
Jansen, M. A. G.
—; Wu, L. H.; Goossens, J. G. P.; Wit, G. de; Bailly, C.; Koning, C. E.; Portale, G.: The Incorporation of Rigid Diol Monomers Into Poly(butylene Terephthalate) Via Solid-State Copolymerization and Melt Copolymerization , 1203C
Janssen, O. See Buback, M., 6071C
Jayakannan, M. See Cyriac, A., 3241C; Deepa, P., 2445C
Jean, Y. C. See Chen, H., 388P
Jeanmaire, T. See Li, P., 7773C
Jedlinski, Z. See C. Buruiana, E., 4103C
Jéol, S.
—; Fenouillot, F.; Rousseau, A.; Monnet, C.; Masenelli-varlot, K.; Briois, J.: End-Group Modification of Poly(2,6-Dimethyl-1,4-Phenylene Ether) and *in Situ* Synthesis of Poly(2,6-Dimethyl-1,4-Phenylene Ether)-*b*-Poly(ethylene Terephthalate) Block Copolymer, 3985C
Jeon, I.
—; Tan, L.; Baek, J.: Nanocomposites Derived From *in Situ* Grafting of Linear and Hyperbranched Poly(ether-Ketone)s Containing Flexible Oxyethylene Spacers Onto the Surface of Multiwalled Carbon Nanotubes, 3471C
Jeong, J.
—; Lee, H.; Kang, S.; Tan, L.; Baek, J.: Nylon 610/Functionalized Multiwalled Carbon Nanotube Composite Prepared from *In-Situ* Interfacial Polymerization, 6041C
Jeong, Y. G. See Park, H. S., 1792C
Jewrajka, S. K.
—; Kennedy, J. P.: Networks and Conetworks of PIB-Based Cyanoacrylate-Telechelic Prepolymers: Synthesis, Characterization, and Properties, 2612C
Jhong, M. See Wu, C., 1121P
Ji, C. See Hou, C., 2701C
Ji, H.-N. See Lee, M.-J., 6734C
Ji, J.
—; Yan, L.; Xie, D.: Surfactant-Free Synthesis of Amphiphilic Diblock Copolymer in Aqueous Phase by a Self-Stability Process, 3098C
Ji, M. See Yu, M., 759P
Ji, X. See Xu, P., 2047P
Jia, X. See Wang, B., 4584C
Jia, Z. See Wang, Y., 1114P
Jiang, G. See Guo, X., 4866C
Jiang, H.-J.
—; Wang, H.-Y.; Zhu, R.; Wan, J.-H.; Liu, F.; Feng, J.-C.; Wei, W.; Huang, W.: Two Novel Oligomers Based on Fluorene and Pyridine: Correlation Between the Structures and Optoelectronic Properties, 1548C
Jiang, J. See Xu, Y., 453C
Jiang, K. See Zhou, Y., 6518C
Jiang, L. See Lou, L., 1025C; Wang, B., 4584C; Zhu, M., 7401C
Jiang, M. See Tian, W., 5036C
Jiang, P. See Huang, X., 2143P
Jiang, S.
—; Sudol, E. D.; Dimonie, V. L.; El-Aasser, M. S.: Kinetics of Dispersion Polymerization: Effect of Medium Composition, 3638C
Jiang, S. See Huang, S., 1400P; Li, H., 452P; Xu, P., 2047P
Jiang, W.
—; Hu, Y.; Yin, J.: Critical Behavior of Brittle-Ductile Transition of Polymers, 766P
Jiang, W. See Yu, H., 1536P
Jiang, X.
—; Zhang, J.; Zhou, Y.; Xu, J.; Liu, S.: Facile Preparation of Core-Crosslinked Micelles From Azide-Containing Thermoresponsive Double Hydrophilic Diblock Copolymer Via Click Chemistry, 860C
Jiang, X. See Sun, M., 3007C; Wen, F., 1192C; Xu, J., 60C; Zhao, B., 3438C
Jiang, Y. See Wang, R., 790C
Jiang, Z. See Yue, X., 7002C
Jiao, Q.
—; Yi, Z.; Chen, Y.; Xi, F.: Synthesis and Encapsulation Properties of Dendronized Polymer with Fréchet-Type Dendrons Peripherally Decorated by Carboxylic Acid Functionalization, 4564C
Jiao, Q. See Yi, Z., 4205C
Jiménez, Z. See Zhou, H., 3766C
Jim, C. K. W. See Zeng, Q., 8070C
Jin, C. S. See Vijila, C., 1159P
Jin, F. See Lin, X., 7809C
Jin, G.-X. See Tang, G., 489C
Jin, H.-J. See Kwon, S.-M., 182P
Jin, H. See Sun, L., 7173C; Wang, P., 7861C
Jin, H. See Jung, R., 1235P

Jin, J.-I. See Jung, K. M., 7517C; Kim, H. S., 501C; Kim, J. H., 1710C
Jin, J. See Hoang, M. H., 5064C
Jin, J. See Chang, J., 2395P
Jin, L.
—; Liu, H.; Yang, W.; Wang, C.; Yu, K.: Synthesis and Applications of Water-Dispersible Microspheres Containing Arborescent PAMAM Surfaces, 2948C
Jin, S.-H. See Kim, S.-C., 1098C; Lee, J. W., 1083C; Park, J. S., 6175C; Yoon, K.-J., 6762C
Jin, Y.
—; Lee, M.; Kim, S. H.; Song, S.; Goo, Y.; Woo, H. Y.; Lee, K.; Suh, H.: Improved Properties of Polyfluorenevinylenes by Introduction of Carbazole Units, 4407C
Jing, X. See Guo, X., 4866C; He, C., 4140C; Hu, J., 1124C; Hu, X., 1852C, 7022C; Xun, S., 1566C
Jing, X. See Liu, Y., 2012P
Jog, J. P. See Kalgaonkar, R. A., 2539P
Johansson, M. See Nilsson, C., 1339C
John, A.
—; Palaniappan, S.; Djurado, D.; Pron, A.: One-Step Preparation of Solution Processable Conducting Polyaniline by Inverted Emulsion Polymerization Using Didecyl Ester of 4-Sulfophthalic Acid as Multifunctional Dopant, 1051C
Johnson, F. E. See Gitsov, I., 4130C
Johnson, J. J. See Harwood, H. J., 2347C
Johnson, P. M.
—; Stansbury, J. W.; Bowman, C. N.: High-Throughput Kinetic Analysis of Acrylate and Thiol-Ene Photopolymerization Using Temperature and Exposure Time Gradients, 1502C
Johnson, W. B. See Kusoglu, A., 2404P
Johnston-Hall, G.
—; Monteiro, Michael J.: Bimolecular Radical Termination: New Perspectives and Insights, 3155C
Joly-Duhamel, C. See Soules, A., 3214C
Jones, C. F. See Ayres, N., 7713C
Jones, R. L. See Benkoski, J. J., 2267P
Joshi, A. See Gujraty, K. V., 7249C
Joubert, D. J. See Toit, A. D., 1488C
Joumaa, N.
—; Toussay, P.; Lansalot, M.; Elaissari, A.: Surface Modification of Iron Oxide Nanoparticles by a Phosphate-Based Macromonomer and Further Encapsulation Into Submicrometer Polystyrene Particles by Miniemulsion Polymerization, 327C
Jradi, S. See Soppera, O., 3783C
Ju, B.-K. See Cho, M. J., 7419C
Jung, H. See Park, S. C., 8041C
Jung, I. H.
—; Jung, Y. K.; Lee, J.; Park, J.-H.; Woo, H. Y.; Lee, J.-I.; Chu, H. Y.; Shim, H.-K.: Synthesis and Electroluminescent Properties of Fluorene-Based Copolymers Containing electron-Withdrawing Thiazole Derivatives, 7148C
Jung, K. M.
—; Kim, K. H.; Jin, J.-I.; Cho, M. J.; Choi, D. H.: Deep-Red Light-Emitting Phosphorescent Dendrimer Encapsulated Tris-[2-benzo[*b*]thiophen-2-yl-pyridyl] Iridium (III) Core for Light-Emitting Device Applications, 7517C
Jung, K. M. See Kim, H. S., 501C
Jung, R.
—; Kim, H.; Kim, Y.; Kwon, S.; Lee, H. S.; Jin, H.: Electrically Conductive Transparent Papers Using Multiwalled Carbon Nanotubes, 1235P
Jung, Y. C. See Yoo, H. J., 900P
Jung, Y. K. See Cho, H.-J., 979C; Jung, I. H., 7148C
Jung, Y. K.
—; Kim, H.; Park, J.; Lee, J.; Lee, S. K.; Lee, Y. S.; Shim, H.: Alternating Fluorene Copolymers Containing Isothianaphthene Derivatives: A Study of Their Aggregation Properties and Small Band Gap, 3573C
Junkers, T.
—; Barner-Kowollik, C.: The Role of Mid-Chain Radicals in Acrylate Free Radical Polymerization: Branching and Scission, 7585C
—; Bennet, F.; Koo, Sandy P. S.; Barner-Kowollik, C.: Self-Directed Formation of Uniform Unsaturated Macromolecules From Acrylate Monomers at High Temperatures, 3433C
Junkers, T. See Wong, Edgar H. H., 7273C
Juvekar, V. A. See Iyer, B. V. S., 2370P

Kabomo, M. T.
—; Blum, F. D.; Kulkeratiyut, S.; Kulkeratiyut, S.; Krisanangkura, P.: Effects of Molecular Mass and Surface Treatment on Adsorbed Poly(methyl Methacrylate) on Silica, 649P
Kadono, Y. See Nishihara, Y., 7913C
Kafouris, D.
—; Gradzielski, M.; Patrickios, Costas S.: Hydrophilic, Cationic Large-Core Star Polymers and Polymer Networks: Synthesis and Physicochemical Characterization, 3958C
Kaim, A. See Megiel, E., 1165C
Kaito, A.
—; Iwakura, Y.; Li, Y.; Shimizu, H.: Oriented Crystallization of Poly(L-Lactic Acid) in Uniaxially Oriented Blends with Poly(vinylidene Fluoride), 1376P
Kajiwara, K. See Yamaguchi, T., 2126P, 2644P
Kakimoto, M. See Grunzinger, Stephen J., 4785C
Kakuchi, T. See Nishizawa, O., 1185C, 7411C
Kalgaonkar, R. A.
—; Jog, J. P.: Molecular Dynamics of Copolyester/Clay Nanocomposites as Investigated by Viscoelastic and Dielectric Analysis, 2539P
Kalinyaprak-Icten, K. See Seidl, B., 289C
Kalliomäki, K. See Nuopponen, M., 38C
Kallitsis, J. K. See Oikonomou, E. K., 1149P
Kaluzynski, K. See Pretula, J., 830C
Kamakshi, R.
—; Reddy, B. S. R.: Synthesis of Chalcone-Based Fluorescent

Polymers: Diels-Alder Reaction of Chalcones and Their Polymerization Through ROMP, 1521C
Kamei, Y.
—; Nagai, A.; Sudo, A.; Nishida, H.; Kikukawa, K.; Endo, T.: Convenient Synthesis of Poly(γ-Benzyl-L-Glutamate) From Activated Urethane Derivatives of γ-Benzyl-L-Glutamate, 2649C
—; Sudo, A.; Nishida, H.; Kikukawa, K.; Endo, T.: Synthesis of Polypeptides From Activated Urethane Derivatives of α-Amino Acids, 2525C
Kamei, Y. See Nagai, A., 2316C
Kamer, O. See Kiskan, B., 6780C
Kamigaito, M. See Satoh, K., 6358C; Uchiike, C., 6819C
Kamikubo, T. See Hirano, T., 4575C
Kaminski, K.
—; Paluch, M.; Wrzalik, R.; Ziolo, J.; Bogoslovov, R.; Roland, C. M.: Pressure-Induced Polymerization of Tetraethylene Glycol Dimethacrylate, 3795C
Kanai, K. See Fujimori, A., 534P
Kanaoka, S. See Seno, K.-I., 6444C; Seno, K., 2212C, 4392C, 5724C, 6151C; Yonezumi, M., 2202C, 4495C, 6129C, 6746C
Kanca, Ü.
—; Van Buijtenen, J.; Van As, Bart A. C.; Korevaar, Peter A.; Vekemans, Jef A. J. M.; Palmans, Anja R. A.; Meijer, E. W.: Iterative Tandem Catalysis of Racemic AB Monomers, 2721C
Kane, R. S. See Gujraty, K. V., 7249C
Kaneko, T. See Lertworasirikul, A., 6489C
Kang, E. T. See Cheng, Z., 2119C
Kang, H. See Li, Y., 6907C
Kang, J. H.
—; Park, C.; Lowther, S. E.; Harrison, J. S.; Park, C. E.: All-Organic Actuator Fabricated with Single Wall Carbon Nanotube Electrodes, 2532P
Kang, S. See Jeong, J., 6041C
Kang, T. J. See Chung, J. W., 989P
Kannan, P. See Balamurugan, R., 5760C; Saravanan, C., 7843C
Kao-Walter, S. See Zhang, Y.-F., 281P
Kaputsky, F. N. See Radchenko, A. V., 6928C
Karabanova, L. V.
—; Bershtein, V. A.; Sukhanova, T. E.; Yakushev, P. N.; Egorova, L. M.; Lutsyk, E. D.; Svyatyna, A. V.; Vylegzhanina, M. E.: 3D Diamond-Containing Nanocomposites Based on Hybrid Polyurethane–Poly(2-Hydroxyethyl Methacrylate) Semi-IPNs: Composition-Nanostructure-Segmental Dynamics-Elastic Properties Relationships, 1696P
Karagoz, B. See Tasdelen, M. A., 3387C
Karastatiris, P.
—; Mikroyannidis, J. A.; Spiliopoulos, I. K.: Bipolar Poly(*p*-Phenylene Vinylene)s Bearing Electron-Donating Triphenylamine Or Carbazole and Electron-Accepting Quinoxaline Moieties, 2367C
Karatasos, K. See Dritsas, G. S., 2166P
Karch, R. See Burtscher, D., 4630C
Karim, A. See Benkoski, J. J., 2267P
Karim, M. R.
—; Yeum, J. H.: *In Situ* Intercalative Polymerization of Conducting Polypyrrole/Montmorillonite Nanocomposites, 2279P
Karlsson, A. M. See Kusoglu, A., 2404P
Karnati, R.
—; Ford, Warren T.: Dispersion Copolymerization of 2-Ethylhexyl Methacrylate and Vinylbenzyl Chloride and Functional Group Conversions in a Fluorinated Solvent Using Microwave Heating, 3813C
Karunakaran, R.
—; Kennedy, Joseph P.: Novel Amphiphilic Conetworks by Synthesis and Crosslinking of Allyl-Telechelic Block Copolymers, 4254C
Kasai, P. See Ito, H., 1559C
Kashima, M. See Li, W., 1369P, 2090P
Kasi, R. M. See Kim, T. Y., 6872C; Zhou, Y., 6801C
Kasko, A. M. See Pugh, C., 4363C
Kasper, J. R. See Puskas, J. E., 3024C
Kasprzak, S. See Diani, J., 1226P
Katritzky, A. R.
—; Meher, N. K.; Hanci, S.; Gyanda, R.; Tala, S. R.; Mathai, S.; Duran, R. S.; Bernard, S.; Sabri, F.; Singh, S. K.; Doskocz, J.; Ciaramitaro, D. A.: Preparation and Characterization of 1,2,3-Triazole-Cured Polymers From Endcapped Azides and Alkynes, 238C
Kaur, S.
—; Singh, G.; Gupta, V. K.: Titanium Tetrachloride Supported on Atom Transfer Radical Polymerized Poly(methyl acrylate-*co*-1-octene) as Catalyst for Ethylene Polymerization, 7299C
Kavitha, A. A.
—; Singha, N. K.: High Temperature Resistant Tailor-Made Poly(meth)acrylates Bearing Adamantyl Group via Atom Transfer Radical Polymerization, 7101C
Kawabata, S. See Takemura, T., 2250C
Kawaguchi, J. See Danno, T., 558P
Kawamoto, E. See Nagai, A., 2316C
Kawamura, A.
—; Kojima, C.; Iijima, M.; Harada, A.; Kono, K.: Polyion Complex Micelles Formed From Glucose Oxidase and Comb-Type Polyelectrolyte with Poly(ethylene Glycol) Grafts, 3842C
Kawasaki, S. See Seesukphronrarak, S., 2549C
Kawatsuki, N.
—; Tsutsumi, R.; Hiraiwa, A.; Takatsuka, H.; Sakai, T.: Thermally Enhanced Photoinduced In-Plane Reorientation in Photo-Cross-Linkable Polymer Liquid Crystalline Films and Its Application to Linear Polarizer, 4712C
Kaya, İ See Koyuncu, S., 1974C
Ke, L. See Tang, W., 7725C
Kean, Z. See Matloka, Piotr P., 3992C
Keckes, J. See Gindl, W., 297P
Kee, R. A.
—; Gauthier, M.: Arborescent Polystyrene-*graft*-Poly(*tert*-Butyl Methacrylate)

Copolymers: Synthesis and Enhanced Polyelectrolyte Effect in Solution, 2335C
Keller, T. M. See Kolel-veetil, M. K., 2581C
Kemp, L. K.
—; Donnalley, Andrew B.; Storey, Robson F.: Synthesis and Characterization of Carboxylic Acid-Terminated Polyisobutylenes, 3229C
Kennedy, J. P. See Chen, Y., 174C; Jewrajka, S. K., 2612C
Kennedy, J. P. See Karunakaran, R., 4254C; Ummadisetty, S., 4236C
Kentish, S. See Duthie, X., 1879P
Kesavamoorthy, R. See Sivanantham, M., 710P
Kessler, M. R. See Mauldin, T. C., 6851C
Keul, H. See Vaida, C., 6789C
Keuser, M. See Dong, R., 1997P
Khan, A.
—; Malkoch, M.; Montague, M. F.; Hawker, C. J.: Synthesis and Characterization of Hyperbranched Polymers with Increased Chemical Versatility for Imprint Lithographic Resists, 6238C
Khan, F. Z.
—; Shiotsuki, M.; Sanda, F.; Nishio, Y.; Masuda, T.: Synthesis and Properties of Amino Acid Esters of Hydroxypropyl Cellulose, 2326C
Khang, G. See Hyun, H., 2084C
Khare, R. A.
—; Bhattacharyya, A. R.; Kulkarni, A. R.; Saroop, M.; Biswas, A.: Influence of Multiwall Carbon Nanotubes on Morphology and Electrical Conductivity of PP/ABS Blends, 2286P
Khare, R.
—; Nazarenko, S.: Introduction, 2645P
Khire, V. S.
—; Kloxin, A. M.; Couch, C. L.; Anseth, K. S.; Bowman, C. N.: Synthesis, Characterization and Cleavage of Linear Polymers Attached to Silica Nanoparticles Formed Using Thiol-Acrylate Conjugate Addition Reactions, 6896C
Khoukh, A. See Ouhib, F., 7505C
Khriachtchev, L. See Andersson, T., 547P
Kida, T. See Lertworasirikul, A., 6489C
Kierkels, J. T. A.
—; Dona, C.-L.; Tervoort, T. A.; Govaert, L. E.: Kinetics of Re-Embrittlement of (Anti)plasticized Glassy Polymers After Mechanical Rejuvenation, 134P
Kihara, N.
—; Iino, Y.; Misawa, T.: Oxidative Degradation of Poly(isophthaloylhydrazine-1,2-Diyl)s, 6255C
Kijima, M. See Mori, T., 4258C
Kikuchi, A. See Akiyama, Y., 5471C
Kikuchi, T. See Seno, K., 6151C
Kikukawa, K. See Kamei, Y., 2525C, 2649C
Kikutani, T. See Kim, K. H., 847P
Kilambi, H.
—; Stansbury, J. W.; Bowman, C. N.: Enhanced Reactivity of Monovinyl Acrylates Characterized by Secondary Functionalities Toward Photopolymerization and Michael Addition: Contribution of Intramolecular Effects, 3452C
Kilbinger, A. F. M. See Barriau, E., 2049C; Hilf, S., 2913C
Kilcher, G.
—; Wang, L.; Tirelli, N.: Role of Thiol-Disulfide Exchange in Episulfide Polymerization, 2233C
Kim, B.-J. See Ahn, S.-N., 7473C
Kim, B.-S.
—; Kim, B.; Suh, K.-D.: Electrorheological Properties of Carbon Nanotube/Polyelectrolyte Self-Assembled Polystyrene Particles by Layer-By-Layer Assembly, 1058C
Kim, B. See Kim, B.-S., 1058C
Kim, B. C. See Kim, I. Y., 3629C
Kim, B. S. See Hyun, H., 2084C
Kim, B. S. See Hu, Y. Q., 3740C
Kim, C. K. See Park, I. K., 1131P
Kim, C. See Noh, T., 7321C
Kim, C. See Huang, X., 2143P
Kim, D. I. See Park, H. S., 1792C
Kim, D. K.
—; Oh, K. W.; Kim, S. H.: Synthesis of Polyaniline/Multiwall Carbon Nanotube Composite via Inverse Emulsion Polymerization, 2255P
Kim, D. S.
—; Guiver, M. D.: Comparative Effect of Phthalazinone Units in Sulfonated Poly(arylene Ether Ether Ketone Ketone) Copolymers as Proton Exchange Membrane Materials, 989C
Kim, D. See Mathews, A. S., 8117C; Nghiem, Q. D., 4594C; Park, C. W., 1954C
Kim, D. P. See Nguyen, C. T., 725C
Kim, D. I. See Song, H., 5850C
Kim, E.-K. See Li, Y., 5115C
Kim, G. S.
—; Lee, J. K.; Choi, M. J.; Lee, K. H.: Morphology Development and Crystallization Behavior of Poly(ethylene Terephthalate)/Phenoxy Blend, 223P
Kim, H. J. See Lee, J. W., 1083C
Kim, H. S.
—; Cho, M. J.; Jung, K. M.; Yu, Y.-J.; Park, Y. W.; Jin, J.-I.; Choi, D. H.: Luminescence Properties of Soluble 2,2′,7,7′-Tetrakis(2-(9-Hexyl-9*H*-Carbazol-3-Yl)-Vinyl)-9, 9′-Spirobifluorene-Labeled Dendrimers: Photoluminescence and Electroluminescence, 501C
Kim, H.-S. See Kwon, S.-M., 182P
Kim, H.
—; Daniels, E. S.; Dimonie, V. L.; Klein, A.: Nucleation of Gold Nanoparticles on Latex Particle Surfaces, 912C
—; Lim, Y.; Lee, M.: Self-Assembly of Supramolecular Polymers Into Tunable Helical Structures, 1925C
Kim, H. See Jung, Young Kwan, 3573C; Noh, T., 7321C
Kim, H. See Jung, R., 1235P
Kim, I. See Bahuleyan, B. K., 1066C; Mathews, A. S., 8117C
Kim, I. Y.
—; Yoo, M. K.; Kim, B. C.; Park, I. Y.; Lee, H. C.; Cho, C. S.: Thermogelling Behaviors of Poly(caprolactone-*b*-Ethylene Glycol-*b*-Caprolactone) Triblock Copolymer in the Presence of Hyaluronic Acid, 3629C
Kim, J. E. See Kim, T. Y., 6872C
Kim, J. H.
—; Kim, K. H.; Cho, M. J.; Jin, J.-I.; Choi, D. H.; Hyung, G. W.; Kim, Y. K.: Synthesis and Dielectric Properties of Photoreactive Polystyrene

Containing [1-(3-Isopropenyl-Phenyl)-1-Methyl-Ethyl]-Carbamate in the Side Chain, 1710C
Kim, J. H. See Lee, J. W., 1083C; Lee, S. J., 2097C
Kim, J. H. See Choi, J. K., 691P; Koh, J. H., 702P
Kim, J. I. See Cho, M. J., 7419C
Kim, J. K. See Lee, Y., 8200C
Kim, J.-B. See Park, J. Y., 7534C
Kim, J.
—; Roberts, George W.; Kiserow, Douglas J.: Effect of Prepolymer Molecular Weight on Solid State Polymerization of Poly(bisphenol a Carbonate) with Nitrogen as a Sweep Fluid, 4959C
Kim, J. See Mok, M. M., 48P; Sandoval, R. W., 2672P
Kim, J. H. See Lee, K. J., 3911C
Kim, K. H.
—; Cho, H. H.; Ito, H.; Kikutani, T.: Fiber Structure Development in High-Speed Melt Spinning of Poly(trimethylene Terephthalate) (PTT)—On-Line Measurement of Birefringence, 847P
Kim, K. H. See Jung, K. M., 7517C; Kim, J. H., 1710C
Kim, K. J. See Ramasundaram, S., 2173P
Kim, K. See Yamaguchi, T., 2126P, 2644P
Kim, K. N. See Hoang, M. H., 5064C
Kim, K. H. See Hoang, M. H., 5064C
Kim, M. See Kwak, G., 5371C
Kim, M. S. See Hyun, H., 2084C
Kim, M. S. See Hu, Y. Q., 3740C
Kim, M. H. See Hoang, M. H., 5064C
Kim, N. See Moon, I. K., 1783C
Kim, S. C. See Park, C. W., 1954C
Kim, S.-C.
—; Park, S.-M.; Park, J. S.; Lee, S.-J.; Jin, S.-H.; Gal, Y.-S.; Lee, J. W.: Synthesis and Electro-Optical Properties of Light-Emitting Polymers Containing Oxadiazole Derivatives for Light-Emitting Diodes Applications, 1098C
Kim, S.
—; Roth, C. B.; Torkelson, J. M.: Effect of Nanoscale Confinement on the Glass Transition Temperature of Free-Standing Polymer Films: Novel, Self-Referencing Fluorescence Method, 2754P
Kim, S. H. See Jin, Y., 4407C
Kim, T. Y.
—; Lee, T. H.; Kim, J. E.; Kasi, R. M.; Sung, Chong S. P.; Suh, K. S.: Organic Solvent Dispersion of Poly(3,4-ethylenedioxythiophene) with the Use of Polymeric Ionic Liquid, 6872C
Kim, T. See Li, Y., 5115C
Kim, W. S. See Hwang, H. S., 1365C
Kim, W.-G. See Park, H. S., 1792C
Kim, W. See Kwak, G., 5371C
Kim, Y. K. See Kim, J. H., 1710C
Kim, Y. K. See Chang, J., 2395P
Kim, Y. M. See Cho, M. J., 7419C
Kim, Y. W. See Choi, J. K., 691P; Koh, J. H., 702P
Kim, Y. See Li, Y., 5115C; Mathews, A. S., 8117C
Kim, Y. See Jung, R., 1235P
Kimura, K.
—; Shimizu, Y.; Ichimori, T.; Kohama, S.-i.; Yamazaki, S.; Yamashita, Y.: Dimer Effect on Fractional Polycondensation of Poly(*p*-Oxybenzoyl), 1598C
Kimura, N. See Shibahara, Y., 1P
Kimura, T. See Mutsuo, S., 743P
Kimura, Y. See Fukushima, K., 3714C
Kinoshita, T. See Zhao, Y., 4927C
Kiserow, D. J. See Kim, J., 4959C
Kishida, A. See Mutsuo, S., 743P
Kiskan, B.
—; Demiray, G.; Yagci, Y.: Thermally Curable Polyvinylchloride Via Click Chemistry , 3512C
—; Demirel, A. Levent; Kamer, O.; Yagci, Y.: Synthesis and Characterization of Nanomagnetite Thermosets Based on Benzoxazines, 6780C
—; Yagci, Y.; Ishida, H.: Synthesis, Characterization, and Properties of New Thermally Curable Polyetheresters Containing Benzoxazine Moieties in the Main Chain, 414C
Kissin, Y. V.
—; Brandolini, A. J.; Garlick, J. L.: Kinetics of Ethylene Polymerization Reactions with Chromium Oxide Catalysts, 5315C
—; Brandolini, A. J.: Chemistry of Olefin Polymerization Reactions with Chromium-Based Catalysts, 5330C
Kita, D. See Ikeda-Fukazawa, T., 831P
Kitagawa, M. See Sugihara, S., 1913C
Kiyoyama, S. See Yoshida, M., 1749C
Kizhakkedathu, J. N. See Rossi, Nicholas A. A., 4021C
Klein, A. See Kim, H., 912C
Kloxin, A. M. See Khire, V. S., 6896C
Klumperman, B. See van den Dungen, E. T. A., 2500C; Pound, G., 6575C
Knoll, K. See Thunga, M., 329P
Knolle, W. See Scherzer, T., 4905C
Knoop, R. J. I.
—; Habraken, G. J. M.; Gogibus, N.; Steig, S.; Menzel, H.; Koning, C. E.; Heise, A.: Synthesis of Poly(benzyl Glutamate-*b*-Styrene) Rod-Coil Block Copolymers by Dual Initiation in One Pot, 3068C
Kobašlija, M.
—; Bogdan, A. R.; Poe, S. L.; Escobedo, F.; Mcquade, D. T.: Creating Microenvironments Using Encapsulated Polymers, 2309C
Kobashi, K.
—; Lomeda, J.; Chen, Z.; Azad, S.; Hwang, W.-F.; Tour, J. M.: Preparation of Single-Walled Carbon Nanotubes-Induced Poly(*p*-Oxybenzoyl) Crystals, 1265C
Kobayashi, S. See Fujimori, A., 534P
Kobori, K. See Seesukphronrarak, S., 2549C
Koeckelberghs, G. See Vangheluwe, M., 4817C
Koh, J. H.
—; Kim, Y. W.; Park, J. T.; Kim, J. H.: Templated Synthesis of Silver Nanoparticles in Amphiphilic Poly(vinylidene Fluoride-*co*-Chlorotrifluoroethylene) Comb Copolymer, 702P
Koh, Y. P.
—; Simon, S. L.: Structural Relaxation of Stacked Ultrathin Polystyrene Films, 2741P

Kohama, S.-i. See Kimura, K., 1598C
Köhler, S.
—; Liebert, T.; Heinze, T.: Interactions of Ionic Liquids with Polysaccharides. VI. Pure Cellulose Nanoparticles From Trimethylsilyl Cellulose Synthesized in Ionic Liquids , 4070C
Koide, M. See Yamaguchi, T., 2126P, 2644P
Koike, K. See Zhou, D., 4748C
Koike, S. See Morikawa, H., 8206C
Koike, Y. See Zhou, D., 4748C
Koizumi, T. See Takemura, T., 2250C
Kojima, C. See Kawamura, A., 3842C
Kojio, K.
—; Nakamura, S.; Furukawa, M.: Effect of Side Groups of Polymer Glycol on Microphase-separated Structure and Mechanical properties of Polyurethane Elastomers, 2054P
Kokado, K.
—; Chujo, Y.: Homogeneous Anionic PPE Hybrids with Silica Gel, 3749C
Kolel-veetil, M. K.
—; Dominguez, D. D.; Keller, T. M.: Dendritic Networks Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Carborane Clusters, 2581C
Kolhatkar, N. See Fullana, Matthew J., 5542C
Koltypin, Y. See Perkas, N., 1719C
Komatsu, H.
—; Ochiai, B.; Endo, T.: Thermally Latent Polyaddition and Curing of Di- and Tri-Functional Hemiacetal Esters with Diepoxide by Salen-Zinc Complex with Tunable Catalytic Activity and Model and Networking Reactions, 1427C
—; Ochiai, B.; Endo, T.: Thermally Latent Reaction of Hemiacetal Ester with Epoxide Catalyzed by Recyclable Polymeric Catalyst Consisting of Salen-Zinc Complex and Polyurethane Main Chain, 3673C
—; Ochiai, B.; Endo, T.: Thermally Latent Synthesis of Networked Polymers From Multifunctional Hemiacetal Ester and Diepoxide Catalyzed by Schiff-Base-Zinc Chloride Complex, 3682C
Kondo, Y. See Endo, K., 2858C
Kong, J.
—; Yung, K.; Xu, Y.; He, L.; Lau, K. H.; Chan, C. Y.: Self-Organized Micropatterns of High Aspect Ratio Polymer Nanofibers by Wetting of Nanopores, 1280P
Kong, J. See Kwak, G., 5371C; Tian, W., 5036C; Wang, S., 2708C
Kong, L. See Li, W., 1369P
Kong, X.
—; Wu, Q.; Hu, W.; Wang, Z.: Monodisperse Ultrafine Polystyrene Nanoparticles Prepared by a Semicontinuous Microemulsion Polymerization, 4522C
Koning, C. E. See Jansen, M. A. G., 1203C; Knoop, Rutger J. I., 3068C
Kono, K. See Kawamura, A., 3842C
Kontou, E. See Anthoulis, G. I., 1036P
Koo, S. P. S. See Junkers, T., 3433C
Kook, Y. H. See Noh, T., 7321C
Korevaar, P. A. See Kanca, Ü., 2721C
Kostjuk, S. V.
—; Radchenko, A. V.; Ganachaud, F.: Controlled Cationic Polymerization of Cyclopentadiene with $B(C_6F_5)_3$ as a Coinitiator in the Presence of Water, 4734C
Kostjuk, S. V. See Radchenko, A. V., 6928C
Kotal, A.
—; Si, S.; Paira, T. K.; Mandal, T. K.: Synthesis of Semitelechelic POSS-Polymethacrylate Hybrids by Thiol-Mediated Controlled Radical Polymerization with Unusual Thermal Behaviors, 1111C
Kotera, M. See Yamaguchi, T., 2126P, 2644P
Kotsuchibashi, Y.
—; Kuboshima, Y.; Yamamoto, K.; Aoyagi, T.: Synthesis and Characterization of Double Thermo-Responsive Block Copolymer Consisting *N*-Isopropylacrylamide by Atom Transfer Radical Polymerization, 6142C
Kou, K. See Zhang, Q., 1243P
Kouno, S. See Niwa, Y., 692C
Kowalczuk, M. See C. Buruiana, E., 4103C; Höglund, A., 4617C
Koyuncu, S., Kus, M., Demic, S.Kaya, I.
—; Ozdemir, E.; Icli, S.: Electrochemical and Optical Properties of Novel Donor-Acceptor Thiophene-Perylene-Thiophene Polymers, 1974C
Kozubek, H. See Bartoszewicz, J., 8013C
Krüger, R. A. See Durben, S., 8179C
Krasia-Christoforou, T. See Demetriou, M., 5442C
Kratochvíl, J.
—; Baldrian, J.; Brus, J.; Sikora, A.: Long-Term X-Ray Stimulated Crystallization of Poly(*N*-Methyldodecano-12-Lactam) in Blend with Poly(styrene-*stat*-Acrylic Acid), 311P
Kraus, R. G.
—; Emmons, E. D.; Thompson, J. S.; Covington, A. M.: Infrared Absorption Spectroscopy of Polycarbonate at High Pressure, 734P
Kricheldorf, H. R.
—; Bornhorst, K.: Equimolar "A_2 + B_4" Polycondensations—Cyclic Polyethers Derived From 1,4-Dicyanotetrafluorobenzene and Various Diphenols, 543C
—; Behnken, G.; Schwarz, G.: Ultra-High Molecular Weight Poly(ϵ-Caprolactone) by Means of Diphenyl Bismuth Bromide, 851C
—; Bornhorst, K.: Syntheses of Multicyclic Poly(ether Sulfone)s From 5,5′,6,6′-Tetrahydroxy-3,3,3′,3′-Tetramethyl Spirobisindane and 4,4′-Bis(4-Chlorophenyl) Sulfones, 3732C
—; Lossow, Colin V.; Lomadze, N.; Schwarz, G.: Cyclic Polypeptides by Thermal Polymerization of α-Amino Acid *N*-Carboxyanhydrides, 4012C
—; Lomadze, N.; Schwarz, G.: Poly(hydroxyisobutyrate) by Ring-Opening Polymerizations of 5,5-Dimethyl-1,3,2-Dioxithiolan-4-One-2-Oxide, 6229C

Kricheldorf, H. R. See Buzin, P., 4777C
Kricheldorf, H. R. See Lahcini, M., 7483C
Krisanangkura, P. See Kabomo, M. T., 649P
Kříž, J. See Ritz, P., 1919C
Krumme, A.
—; Lehtinen, A.; Adamovsky, S.; Schick, C.; Roots, J.; Viikna, A.: Crystallization Behavior of Some Unimodal and Bimodal Linear Low-Density Polyethylenes at Moderate and High Supercooling, 1577P
Kuan, C. Z. See Vijila, C., 1159P
Kuan, H.-C. See Yuen, S.-M., 472P
Kubisa, P. See Baśko, M., 7919C; Biedroń, T., 6961C
Kubo, T. See Aoki, H., 4651C; Tsujioka, N., 3272C
Kuboshima, Y. See Kotsuchibashi, Y., 6142C
Kuckling, D. See Mendrek, S., 2488C
Kudla, C. J. See Bünnagel, T. W., 7342C
Kudo, H.
—; Atsumi, H.; Sato, M.; Nishikubo, T.: Synthesis of Hetero-Telechelic Polymers by Self-Polyaddition of Monomers Containing both Oxetanyl and Carboxyl Groups, 7835C
Kudo, H. See Nagai, A., 4879C
Kul, D.
—; Van Renterghem, L. M.; Meier, M. A.R.; Strandman, S.; Tenhu, H.; Yilmaz, S. S.; Schubert, U. S.; Du Prez, F. E.: Encapsulation and Release by Star-Shaped Block Copolymers as Unimolecular Nanocontainers, 650C
Kulbaba, K. See Soytaş, S. H., 3611C
Kulkarni, A. R. See Bose, S., 1619P; Khare, R. A., 2286P
Kulkarni, M.
—; Potrekar, R.; Kulkarni, R. A.; Vernekar, S. P.: Synthesis and Characterization of Novel Polybenzimidazoles Bearing Pendant Phenoxyamine Groups, 5776C
Kulkarni, R. A. See Kulkarni, M., 5776C
Kulkeratiyut, S. See Kabomo, M. T., 649P
Kultys, A.
—; Rogulska, M.; Pikus, S.: The Synthesis and Characterization of New Thermoplastic Poly(thiourethane-Urethane)s, 1770C
Kumar, S. K. See Harton, S. E., 351P
Kunal, K.
—; Paluch, M.; Roland, C. M.; Puskas, J. E.; Chen, Y.; Sokolov, A. P.: Polyisobutylene: A Most Unusual Polymer, 1390P
Künzler, J. F. See Pavlović, D., 7033C
Kuo, K.-H.
—; Peng, Y.-H.; Chiu, W.-Y.; Don, T.-M.: A Novel Dispersant for Preparation of High Loading and Photosensitive Carbon Black Dispersion, 6185C
Kuo, S.
—; Lee, H.; Huang, C.; Huang, C.; Chang, F.: Synthesis and Self-Assembly of Helical Polypeptide-Random Coil Amphiphilic Diblock Copolymer, 3108C
Kus, M. See Koyuncu, S., 1974C
Kusanagi, Y. See Wei, G., 4218C
Kusoglu, A.
—; Santare, M. H.; Karlsson, A. M.; Cleghorn, S.; Johnson, W. B.: Micromechanics Model Based on the Nanostructure of PFSa Membranes, 2404P
Kwak, G.
—; Kim, M.; Park, D.; Kong, J.; Hyun, S. H.; Kim, W.: Syntheses and Alignment Behavior of Liquid Crystalline Polymethacrylates Having 2- and 4-Styrylpyridine Moieties, 5371C
Kwak, S.-Y. See Choi, J., 2079P
Kwak, S. See Chung, J. W., 989P
Kwok, H. S. See Hua, J., 2025C
Kwon, S.-M.
—; Kim, H.-S.; Myung, S. J.; Jin, H.-J.: Poly(methyl Methacrylate)/Multiwalled Carbon Nanotube Microspheres Fabricated Via *In-Situ* Dispersion Polymerization, 182P
Kwon, S. See Li, Y., 5115C
Kwon, S. See Jung, R., 1235P

Laboy-Bollinger, A. See Marks, M. J., 1632P
Ladislaw, J. S. See Lligadas, G., 278C
Lagadec, R. LE See Camacho, F. Diaz, 4193C
Lagally, M. G. See Cullen, Sean P., 5826C
Lahcini, M.
—; Schwarz, G.; Kricheldorf, H. R.: Bismuth Halide-Catalyzed Polymerizations of ϵ-Caprolactone, 7483C
Lai, B. F. L. See Rossi, Nicholas A. A., 4021C
Lalevée, J.
—; Dirani, A.; El-roz, M.; Allonas, X.; Fouassier, J. P.: Germanes as Efficient Coinitiators in Radical and Cationic Photopolymerizations, 3042C
—; El-Roz, M.; Allonas, X.; Fouassier, J. P.: Free-Radical-Promoted Cationic Photopolymerization Under Visible Light in Aerated Media: New and Highly Efficient Silane-Containing Initiating Systems, 2008C
Lalevée, J. See El-roz, M., 7369C
Lam, J. W. Y. See Hua, J., 2025C
Lam, J. W. Y. See Xing, C., 2960C; Zeng, Q., 8070C
Lamotte, M. See Grosse, M.-T., 21C
Landherr, L. J. T.
—; Zhang, Q.; Cohen, C.; Archer, L. A.: Interfacial Friction of Thin PDMS Network Films, 1773P
Lange, R. F. M. See Pound, G., 6575C
Langhals, H.
—; Oginski, B.: Electron Beam Curing with Glycerol Methacrylate, 6660C
Lansalot, M. See Joumaa, N., 327C
Lapienis, G.
—; Wiktorska, B.: Polystyrene Star-Shaped Polymers Containing Core Built From Diepoxides, 3869C
Larobina, D. See Mensitieri, G., 8P
Larock, R. C. See Mauldin, T. C., 6851C
Larpent, C. See Allard, E., 6206C; Cannizzo, C., 3375C
Larrechi, M. S. See Spontón, M., 7162C
Larrechi, M. S. See Spegazzini, N., 3886C
Látalová, P. See Ritz, P., 1919C; Vlček, P., 564C
Lau, K. H. See Kong, J., 1280P
Laukkanen, A. See Nuopponen, M., 38C

Laurienzo, P. See Nobile, M. R., 1167P
Lawrence, J. R. See Evanoff, Jr., D. D., 7882C
Lazzari, M. See Gestí, S., 2234P
Le Pluart, L. See Catel, Y., 7074C
Lecommandoux, S. See de Cuendias, A., 4602C
Lederer, A. See Denchev, Z., 5142C
Lee, C.-C.
—; Yeh, K.-M.; Chen, Y.: New Host Homopolymers Containing Pendant Triphenylamine Derivatives: Synthesis, Optical, Electrochemical Properties and Its Blend with $Ir(ppy)_3$ for Green Phosphorescent Organic Light-Emitting Devices, 7960C
Lee, C.-H.
—; Wang, Y.-Z.: Synthesis and Characterization of Epoxy-Based Semi-Interpenetrating Polymer Networks Sulfonated Polyimides Proton-Exchange Membranes for Direct Methanol Fuel Cell Applications, 2262C
Lee, C.
—; Dadmun, M. D.: Improving the Dispersion and Interfaces in Polymer-Carbon Nanotube Nanocomposites by Sample Preparation Choice, 1747P
—; Lin, C.; Chiu, W.: Thermosensitive and Control Release Behavior of Poly (*N*-Isopropylacrylamide-*co*-Acrylic Acid) Latex Particles, 5734C
Lee, C. See Hwang, S., 6009C; Yeh, K., 5180C
Lee, D. See Song, H., 5850C
Lee, D. H. See Hwang, M., 263P
Lee, D. K. See Choi, J. K., 691P
Lee, D. S. See Park, C. W., 1954C
Lee, D. S. See Hu, Y. Q., 3740C
Lee, G.-D. See Park, J. S., 6175C
Lee, G.
—; Jang, H.; Lee, J.: Synthesis and Properties of Novel Y-Type Nonlinear Optical Polyimides with High Thermal Stability of Second Harmonic Generation, 3078C
Lee, H. B. See Hyun, H., 2084C
Lee, H. C. See Kim, I. Y., 3629C
Lee, H. J.
—; Ramaraj, B.; Yoon, Soo Min Lee, Kuk Ro: Surface-Initiated Ring-Opening Polymerization of *p*-Dioxanone on Wang Resin Bead, 1178C
Lee, H.-J. See Ahn, S.-N., 7473C
Lee, H. See Jeong, J., 6041C; Kuo, S., 3108C; Lee, S. J., 2097C
Lee, H. H. See Lin, C. H., 4970C
Lee, H. S. See Jung, R., 1235P
Lee, I. See Goh, Sarah L., 5381C
Lee, J. H. See Park, H. S., 1792C
Lee, J. H.
—; Bucknall, D. G.: Swelling Behavior and Network Structure of Hydrogels Synthesized Using Controlled UV-Initiated Free Radical Polymerization, 1450P
Lee, J. K. See Kim, G. S., 223P
Lee, J. M. See Lee, S. J., 2097C
Lee, J. W.
—; Kim, H. J.; Han, S. C.; Kim, J. H.; Jin, S.-H.: Designing Poly(amido Amine) Dendrimers Containing Core Diversities by Click Chemistry of the Propargyl Focal Point Poly(amido Amine) Dendrons, 1083C
Lee, J. W. See Hyun, H., 2084C
Lee, J. W. See Kim, S.-C., 1098C; Park, J. S., 6175C; Yoon, K.-J., 6762C
Lee, J.-D. See Cho, H.-J., 979C
Lee, J.-F. See Lee, P.-I., 464C
Lee, J.-I. See Jung, I. H., 7148C
Lee, J. See Cho, H.-J., 979C; Jung, I. H., 7148C; Jung, Y. K., 3573C; Lee, G., 3078C
Lee, J. H. See Song, H., 5850C
Lee, K. H. See Kim, G. S., 223P
Lee, J. M. See Saikia, P. J., 872C
Lee, K.-C.
—; Wi, H.-A.: Influence of *n*-dodecyl Mercaptan as Chain Transfer Agent in Dispersion Polymerization of Styrene, 6612C
Lee, K. See Jin, Y., 4407C; Park, S. C., 8041C; Saikia, P. J., 872C
Lee, K. J.
—; Park, J. T.; Goh, J. H.; Kim, J. H.: Synthesis of Amphiphilic Graft Copolymer Brush and Its Use as Template Film for the Preparation of Silver Nanoparticles, 3911C
Lee, L. J. See Chen, H., 388P
Lee, M. J. See Park, J. S., 6175C
Lee, M.-J.
—; Ji, H.-N.; Han, Y.-K.: Silicon-Containing Azo Polymers with Paired Mesogens and Their Applications to Optical Memory Media, 6734C
Lee, M. See Jin, Y., 4407C; Kim, H., 1925C
Lee, M. H. See Park, M. H., 5816C
Lee, P.-I.
—; Hsu, S. L.-C.; Lee, J.-F.: Pure White-Light-Emitting Diodes From Phosphorescent Single Polymer Systems, 464C
Lee, R.
—; Huang, Y.: Synthesis and Characterization of Amphiphilic Block–Graft MPEG-*b*-(PαN$_3$CL-*g*-Alkyne) Degradable Copolymers by Ring-Opening Polymerization and Click Chemistry, 4320C
Lee, S. H. See Chang, J., 2395P
Lee, S. J.
—; Lee, J. M.; Cheong, I. W.; Lee, H.; Kim. J. H.: A Facile Route of Polythiophene Nanoparticles Via Fe^{3+}-Catalyzed Oxidative Polymerization in Aqueous Medium, 2097C
Lee, S. J. See Park, C. W., 1954C
Lee, S.-J. See Kim, S.-C., 1098C; Yoon, K.-J., 6762C
Lee, S.-K. See Cho, H.-J., 979C
Lee, S. K. See Jung, Y. K., 3573C
Lee, S. C. See Song, H., 5850C
Lee, T. H. See Kim, T. Y., 6872C
Lee, W. D. See Hwang, S. Y., 1022P
Lee, W.-K. See Hwang, H. S., 1365C
Lee, Y.
—; Fukukawa, K.-I.; Bang, J.; Hawker, C. J.; Kim, J. K.: A High Purity Approach to Poly(3-hexylthiophene) diblock Copolymers, 8200C
Lee, Y. See Hwang, S., 6009C
Lee, Y. See Lim, J. S., 925P
Lee, Y. S. See Jung, Y. K., 3573C
Lefay, C. See Hellaye, M. L., 3058C
Legge, T. M. See Achilleos, M., 7556C
Lehtinen, A. See Krumme, A., 1577P
Lei, Z. See Lu, D. D., 3802C
Leibler, L. See Montarnal, D., 7925C
Lele, A. K. See Iyer, Balaji V. S., 2370P
Lemmetyinen, H. See Lintinen, K., 5194C
Lemmouchi, Y.
—; Perry, Michael C.; Amass, Allan J.; Chakraborty, K.; Schacht, E.: A Novel and

Versatile Potassium-Based Catalyst for the Ring Opening Polymerization of Cyclic Esters, 5348C
—; Perry, Michael C.; Amass, Allan J.; Chakraborty, K.; Schacht, E.: Novel Synthesis of Biodegradable Linear and Star Block Copolymers Based on ϵ-Caprolactone and Lactides Using Potassium-Based Catalyst, 5363C
Léonard, D. See Clémenson, S., 2062C
Leone, G.
—; Bertini, F.; Canett', M.; Boggioni, L.; Stagnaro, P.; Tritto, I.: *in Situ* Polymerization of Ethylene Using Metallocene Catalysts: Effect of Clay Pretreatment on the Properties of Highly Filled Polyethylene Nanocomposites, 5390C
Lepiller, C. See Matsumura, S., 3860C
Lertworasirikul, A.
—; Arikawa, Y.; Kaneko, T.; Kida, T.; Akashi, M.: Preparation of Flexible and Transparent Polylactic Acids Films by Crystallization Manipulation, 6489C
Leskelä, M. See Aitola, E., 373C
Lettieri, M. See Frigione, M., 1320P
Lewandowski, M. See Salaün, F., 2566P
Lexer, C. See Burtscher, D., 4630C
Lezak, E.
—; Bartczak, Z.: Plastic Deformation Behavior of β Phase Isotactic Polypropylene in Plane-Strain Compression at Elevated Temperatures, 92P
Li, B.-G. See Li, D., 970C
Li, B.
—; Wu, G.-P.; Ren, W.-M.; Wang, Y.-M.; Rao, D.-Y.; Lu, X.-B.: Asymmetric, Regio- and Stereo-selective Alternating Copolymerization of CO_2 and Propylene Oxide Catalyzed by Chiral Chromium Salan Complexes, 6102C
Li, B. See Li, W., 4556C; Zhao, B., 3438C
Li, C.-F. See Gao, M.-L., 2807C
Li, C.
—; Zhou, C.; Zheng, H.; Yin, X.; Zuo, Z.; Liu, H.; Li, Y.: Synthesis of a Novel Poly(*para*-Phenylene Ethynylene) for Highly Selective and Sensitive Sensing Mercury (II) Ions, 1998C
Li, C. See Li, X., 3336C; Wang, X., 4857C
Li, C. See Guan, G., 2380P
Li, Christopher Y. See Zhao, B., 3438C
Li, D.
—; Luo, Y.; Li, B.-G.; Zhu, S.: Effect of Rate Retardation in RAFT Grafting Polymerization From Silicon Wafer Surface, 970C
Li, D. See Zhao, B., 3438C
Li, D. See Wang, J., 1067P
Li, G.
—; Song, S.; Guo, L.; Ma, S.: Self-Assembly of Thermo- and PH-Responsive Poly(acrylic Acid)-*b*-Poly(*N*-Isopropylacrylamide) Micelles for Drug Delivery, 5028C
Li, G. See Gao, K., 4889C; Liu, Y., 4227C; Zhang, W., 4151C
Li, H.
—; Jiang, S.; Sun, Z.; An, L.: Molecular Weight Dependence of Phase Behavior of PEO/P(EO-*b*-DMS) Blends: Application of Sanchez-Lacombe Lattice Fluid Theory, 452P
Li, H. See Guo, X., 7491C; Huang, Z. X., 1416C; Liu, J., 7187C; Lu, D. D., 3802C; Qian, Z., 228C; Wang, X., 4857C; Xun, S., 1566C
Li, J.
—; Li, M.; Li, S.; Shi, L.; Ren, C.; Cui, D.; Wang, Y.; Tang, T.: Styrene Polymerization Catalyzed by Metal Porphyrin Complex/MAO for *in Situ* Synthesizing Polystyrene Containing Air Stable π Cation Radicals, 1240C
Li, J. See Ma, L., 33C; Sun, X.-L., 6950C; Xu, L., 473C
Li, K.
—; Hsu, Y.; Lin, J.; Yang, C.; Wei, K.; Lin, H.: Novel Narrow-Band-Gap Conjugated Copolymers Containing Phenothiazine-Arylcyanovinyl Units for Organic Photovoltaic Cell Applications, 4285C
Li, L.-Y. See Sun, X.-L., 6950C
Li, L.
—; Yin, J.; Costa, G.; Stagnaro, P.: The Influence of Variant PE-*b*-PEO Segments on Physical Properties of LLDPE Graft Copolymers, 506P
—; Zheng, S.: Poly(ethylene imine)-*graft*-poly(ethylene oxide) Brush-Like Copolymers: Preparation, Thermal Properties, and selective Supramolecular Inclusion Complexation with α-Cyclodextrin, 2296P
Li, L. See Feng, C., 5638C; Xiao, X., 574C
Li, M.
—; De, P.; Gondi, S. R.; Sumerlin, B. S.: End Group Transformations of RAFT-Generated Polymers with Bismaleimides: Functional Telechelics and Modular Block Copolymers, 5093C
Li, M. See Li, J., 1240C; Wang, F., 5242C
Li, N.
—; Cui, Z.; Zhang, S.; Li, S.: Synthesis and Properties of Novel Polyimides From Sulfonated Binaphthalene Dianhydride for Proton Exchange Membranes, 2820C
Li, P. W. See Wang, L. C., 1419P
Li, P.
—; Zerroukhi, A.; Chen, J.; Chalamet, Y.; Jeanmaire, T.; Xia, Z.: Synthesis, Kinetic Study, and Application of $Ti[O(CH_2)_4OCH{=}CH_2]_4$ in Ring-Opening Polymerization of ϵ-Caprolactone and Radical Polymerization, 7773C
Li, P. See Li, Z., 2983C
Li, Q.
—; Hutcheson, S. A.; Mckenna, G. B.; Simon, S. L.: Viscoelastic Properties and Residual Stresses in Polyhedral Oligomeric Silsesquioxane-Reinforced Epoxy Matrices, 2719P
Li, S.-H.
—; Woo, E. M.: Effects of Chain Configuration on ucst Behavior in Blends of Poly(L-lactic acid) with tactic Poly(methyl methacrylate)s, 2355P
Li, S. See Li, J., 1240C; Li, N., 2820C
Li, S. See He, Y., 959P
Li, W.
—; Cao, H.; Kashima, M.; Liu, F.; Cheng, Z.; Yang, Z.; Zhu, S.; Yang, H.: Control of the Microstructure of Polymer Network and Effects of the Microstructures on Light

Scattering Properties of UV-Cured Polymer-Dispersed Liquid Crystal Films, 2090P
—; Cao, Y.; Cao, H.; Kashima, M.; Kong, L.; Yang, H.: Effects of the Structures of Polymerizable Monomers on the Electro-Optical Properties of UV Cured Polymer Dispersed Liquid Crystal Films, 1369P
—; Han, Y.; Li, B.; Liu, C.; Bo, Z.: Tris[tri(2-Thienyl)phosphine]palladium as the Catalyst Precursor for Thiophene-Based Suzuki-Miyaura Crosscoupling and Polycondensation, 4556C
Li, W. See Wang, B., 4584C
Li, X.
—; Li, C.; Yan, J.; Lu, J.; Liang, H.: Synthesis and Chiroptical Properties of Poly (*p*-Phenylenevinylene-*alt*-*m*-Phenylenevinylene) Bearing (−)-*trans*-Myrtanoxyl Groups on the *p*-Phenylene Rings, 3336C
—; Lu, M.; Wu, Q.; Lv, De-shui; Lin, X.-F.: Novel Designed Polymer–Acyclovir Conjugates with Linker-Controlled Drug Release and Hepatoma Cell Targeting, 117C
—; Shen, Z.; He, T.; Wessling, M.: Modeling on Swelling Behavior of a Confined Polymer Network, 1589P
—; Wu, Q.; Lu, M.; Zhang, F.; Lin, X.: Novel Hepatoma-Targeting Micelles Based on Chemoenzymatic Synthesis and Self-Assembly of Galactose-Functionalized Ribavirin-Containing Amphiphilic Random Copolymer, 2734C
Li, X. See Xu, Z., 481C; Zhang, W., 7049C
Li, Y.-G. See Tang, L.-M., 2038C
Li, Y.-S. See Dong, Z.-M., 6023C; He, L.-P., 7062C; Tang, L.-M., 2038C
Li, Y.-Y. See Chang, C., 3048C
Li, Y.
—; Gao, H.; Wu, Q.: Homo- and Copolymerization of Ethylene and Norbornene with Bis(β -Diketiminato) Titanium Complexes Activated with Methylaluminoxane, 93C
—; Kim, T.; Zhao, Q.; Kim, EUH-KYUNG; Han, S.; Kim, Y.; Jang, J.; Kwon, S.: Synthesis and Characterization of a Novel Polymer Based on Anthracene Moiety for Organic Thin Film Transistor, 5115C
—; Liu, R.; Liu, W.; Kang, H.; Wu, M.; Huang, Y.: Synthesis, Self-Assembly, and Thermosensitive Properties of Ethyl Cellulose-*g*-P(PEGMA) Amphiphilic Copolymers, 6907C
—; Xu, H.; Wu, L.; He, F.; Shen, F.; Liu, L.; Yang, B.; Ma, Y.: NMR Signal Assignment of *Cis*/*Trans*-Conformational Segments in MEH-CN-PPV, 1105P
—; Xue, L.; Xia, H.; Xu, B.; Wen, S.; Tian, W.: Synthesis and Properties of Polythiophene Derivatives Containing Triphenylamine Moiety and Their Photovoltaic Applications, 3970C
Li, Y. See Gu, L., 4056C; Huo, L., 4038C; Li, C., 1998C; Lin, Y., 5077C; So, Y., 2799C; Zhang, C.-L., 936C; Zhang, W., 4151C; Zhu, M., 7401C
Li, Y. See Bai, H., 577P; Kaito, A., 1376P
Li, Z.-S. See Liu, J., 272P
Li, Z.
—; Dong, S.; Li, P.; Li, Z.; Ye, C.; Qin, J.: New PVK-Based Nonlinear Optical Polymers: Enhanced Nonlinearity and Improved Transparency, 2983C
—; Wei, J.; Shan, F.; Yang, J.; Wang, X.: PVDF/PMMa Brushes Membrane for Lithium-Ion Rechargeable Batteries Prepared Via Preirradiation Grafting Technique, 751P
Li, Z. See Huang, X., 4332C; Li, Z., 2983C; Zeng, Q., 8070C
Li, Z. See Huang, X., 2143P; Zhu, Y., 1571P
Liang, B. See Ma, J., 1546P
Liang, G. See Zhang, Q., 1243P
Liang, H. See Li, X., 3336C
Liao, C. See Sheen, Y., 1984P; Wu, T., 1207P
Liao, R.
—; Yu, W.; Zhou, C.; Yu, F.; Tian, J.: The Formation of γ-Crystal in Long-Chain Branched Polypropylene Under Supercritical Carbon Dioxide, 441P
Liberman, S. A. See Santos, K. S., 2519P
Liebert, T. See Köhler, S., 4070C
Lienkamp, K. See Alfred, S. F., 2640C, 6672C
Liguori, F. See Menichetti, S., 6393C
Likhitsup, A.
—; Parthiban, A.; Chai, Christina L. L.: Combining Atom-Transfer Radical Polymerization and Ring-Opening Polymerization Through Bifunctional Initiators Derived From Hydroxy Benzyl Alcohol—Preparation and Characterization of Initiators, Macroinitiators, and Block Copolymers, 102C
Lim, J. S.
—; Lee, Y.; Im, S. S.: Influence of Ionic Association on the Nonisothermal Crystallization Kinetics of Sodium Sulfonate Poly(butylene Succinate) Ionomers, 925P
Lim, J. S. See Hwang, S. Y., 1022P
Lim, K. T. See Hwang, H. S., 1365C
Lim, Y. See Kim, H., 1925C
Lin, B. See Gelves, G. A., 2064P
Lin, C. H.
—; Lin, T. L.; Chang, S. L.; Dai, S. A.; Cheng, R. J.; Hwang, K. Y.; Tu, A. P.; Su, W. C.: Facile Preparation of Novel Epoxy Curing Agents and Their High-Performance Thermosets, 7898C
Lin, C.-C. See Hung, W.-C., 6466C
Lin, C. See Cheng, K., 6305C; Lee, C., 5734C; Zhang, W., 4151C
Lin, C. H.
—; Chang, S. L.; Lee, H. H.; Chang, H. C.; Hwang, K. Y.; Tu, A. P.; Su, W. C.: Fluorinated Benzoxazines and the Structure-Property Relationship of Resulting Polybenzoxazines, 4970C
Lin, G. See Liu, Y., 4756C
Lin, H. See Li, K., 4285C
Lin, J. See Li, K., 4285C
Lin, K.-F. See Tu, C.-W., 47C
Lin, K.-S. See Hsu, S. L.-C., 8159C
Lin, Q. See Zhao, Q., 2222C
Lin, T. L. See Lin, C. H., 7898C
Lin, T. See Tang, W., 7725C

Lin, W.-F.
—; Hsiao, T.-J.; Tsai, J.-C.; Chung, T.-M.; Ho, R.-M.: Syntheses of Polyolefin-Based Stereoregular Diblock Copolymers for Self-Assembled Nanostructures, 4843C
—; Tsai, J.-C.: The Comonomer Inducing Selective β -Methyl Elimination Chain Transfer: A New Approach for End-Functionalizations of Syndiotactic Polypropylene-Based Copolymers, 2167C
Lin, W. See Fu, Q., 6770C; Yang, J., 5123C
Lin, X.-F. See Li, X., 117C
Lin, X.
—; Zhou, R.; Qiao, Y.; Jin, F.; Zhai, Y.; Xing, J.; Deng, L.; Dong, A.: Poly(ethylene glycol)/Poly(ethyl cyanoacrylate) Amphiphilic Triblock Copolymer Nanoparticles as delivery Vehicles for Dexamethasone, 7809C
Lin, X. See Li, X., 2734C
Lin, Y.-C. See Wu, C.-G., 1586C
Lin, Y.-J. See Tang, G., 489C
Lin, Y.
—; Dong, Z.; Li, Y.: One-Pot Synthesis and Characterization of Hyperbranched Poly(ester-Amide)s From Commercially Available Dicarboxylic Acids and Multihydroxyl Secondary Amines, 5077C
—; Su, Z.: Layer-By-Layer Assembly of Gelatin, 1252P
Lin, Y. See Chen, Y., 4249C; Dong, Z.-M., 6023C; Feng, M., 5702C
Lin, Y. See Chang, W., 949P
Ling, Q. See Zhao, Q., 6594C
Ling, T. C. See Xu, J., 4691C
Linhardt, J. G. See Pavlović, D., 7033C
Lintinen, K.
—; Efimov, A.; Hietala, S.; Nagao, S.; Jalkanen, P.; Tkachenko, N.; Lemmetyinen, H.: Cationic Photopolymerization of Liquid Fullerene Derivative Under Visible Light, 5194C
Liou, G.-S. See Chang, C.-W., 7937C; Yen, H.-j., 7354C
Liska, R. See Höfer, M., 6916C; Sandholzer, M., 3648C; Seidl, B., 289C
Liu, A. See Wu, T., 1802P
Liu, B. See Yue, X., 7002C; Zhang, X., 7950C
Liu, C. I. See Wu, K. H., 926C
Liu, C. S. See Wang, L. C., 1419P
Liu, C.-H. See Chiang, H.-C., 8149C
Liu, C.
—; Pan, M.; Zhang, Y.; Huang, J.: Preparation of Star Block Copolymers with Polystyrene-*block*-Poly(ethylene oxide) as Side Chains on Hyperbranched Polyglycerol Core by Combination of ATRP with Atom Transfer Nitroxide Radical Coupling Reaction, 6754C
Liu, C.
—; Repoley, A.; Zhou, B.: Pd/TPPMS in THF/Water Bi-Phase Mixture: Clean Suzuki Coupling System to Synthesis of High Molecular Weight Polyfluorene Derivative, 7268C
Liu, C. See Du, J., 1376C; Fu, Q., 6770C; Ge, X., 2994C; He, J., 3029C; Li, W., 4556C; Wang, G., 2154C; Zhang, Y., 2624C
Liu, F. See Huang, Z., 1618C; Jiang, H.-J., 1548C; Sun, X.-K., 3128C
Liu, F. See Guo, J., 1562P; Li, W., 2090P
Liu, H. See Jin, L., 2948C; Li, C., 1998C; Qian, Z., 228C; Yang, C., 203C; Yang, S., 3900C; Zhu, M., 7401C
Liu, H. See Yu, L., 2630P
Liu, J.-G. See Terraza, C. A., 1510C
Liu, J.-H.
—; Hung, H.-J.; Yang, P.-C.; Tien, K.-H.: Thermal Recordable Novel Cholesteric Liquid Crystalline Polyacrylates Containing Various Chiral Moieties, 6214C
Liu, J.-H. See Yang, P.-C., 1289C
Liu, J.-Y. See He, L.-P., 7062C
Liu, J.
—; Nie, Z.; Gao, Y.; Adronov, A.; Li, H.: "Click" Coupling Between Alkyne-Decorated Multiwalled Carbon Nanotubes and Reactive PDMA-PNIPAM Micelles, 7187C
—; Wang, X.-L.; Zhao, L.; Zhang, G.; Lu, Z.-Y.; Li, Z.-S.: The Absorption and Diffusion of Polyethylene Chains on the Carbon Nanotube: the Molecular Dynamics Study, 272P
—; Wang, Y.; Fu, Q.; Zhu, X.; Shi, W.: Branched Polymer Via Free Radical Polymerization of Chain Transfer Monomer: A Theoretical and Experimental Investigation, 1449C
—; Zhan, F.; Fu, Q.; Zhu, X.; Shi, W.: A Facile Synthetic Strategy for Hyperbranched Polymer via Combining Free Radical Telomerization and Polycondensation, 7543C
Liu, J. See Boyer, C., 7207C; Chang, C., 3048C
Liu, K.-Y. See Tu, C.-W., 47C
Liu, L.
—; Qiao, L.; Liu, S.; Cui, D.; Zhang, C.; Zhou, Z.; Du, Z.; Wong, W.: Polyplatinayne/Polyoxometalate Composite Langmuir-Blodgett Films: Preparation, Structural Characterization, and Potential Optoelectronic Applications, 3193C
—; Wu, C.; Zhang, J.; Zhang, M.; Liu, Y.; Wang, X.; Fu, G.: Controlled Polymerization of 2-(Diethylamino)ethyl Methacrylate and Its Block Copolymer with *N*-Isopropylacrylamide by RAFT Polymerization, 3294C
Liu, L. See Wang, B., 3120C; Yu, M., 7462C; Zhang, W., 7049C
Liu, L. See Bai, H., 577P; Li, Y., 1105P
Liu, M. See Wang, B., 3120C
Liu, P. See Zhang, X., 7950C
Liu, R.
—; Sanda, F.; Masuda, T.: Synthesis and Chiral Recognition Properties of Poly (*N*-Propargylamide) Gels Derived From Ornithine and Lysine, 4175C
—; Sanda, F.; Masuda, T.: Synthesis and Properties of Helical Poly(phenylacetylene) Derivatives. Effect of Chirality Combination on the Helicity, 4183C
Liu, R. See Li, Y., 6907C
Liu, S.
—; Zuo, W.; Zhang, S.; Hao, P.; Wang, D.; Sun, W.: Bis(2-(6-Methylpyridin-2-Yl)-Benzimidazolyl)titanium Dichloride and Titanium Bis(6-Benzimidazolylpyridine-2-Carboxylimidate):

Synthesis, Characterization, and Their Catalytic Behaviors for Ethylene Polymerization, 3411C

Liu, S. See He, C., 4140C; Hu, X., 1852C; Jiang, X., 860C; Liu, L., 3193C; Xu, J., 60C; Zhang, Y., 2379C; Zhou, Y., 6518C; Zuo, W., 3396C

Liu, T. See Wang, R., 790C

Liu, W. See Li, Y., 6907C; Pei, X., 3014C, 7225C; Wang, P., 7861C

Liu, W. See Xu, S., 1000P

Liu, X.-H. See Dong, Z.-M., 6023C

Liu, X. See Su, X., 4529C; Wang, P., 3424C; Yi, Z., 4205C; Zhang, Z., 6810C; Zhu, M., 7401C; Zuo, W., 3396C

Liu, X. See Guan, G., 2380P; Wang, J., 1594P; Zhang, R., 659P

Liu, Y. G. See Huang, Z. X., 1416C

Liu, Y.-L.

—; Tseng, M.-C.; Fangchiang, M.-H.: Polymerization and Nanocomposites Properties of Multifunctional Methylmethacrylate POSS, 5157C

L.'u, Y.-L. See Chou, C.-I., 6509C

Liu, Y. See Han, J., 740C

Liu, Y.

—; Antaya, H.; Pellerin, C.: Characterization of the Stable and Metastable Poly(ethylene oxide)–Urea Complexes in Electrospun Fibers, 1903P

—; Jing, X.: Miscibility, Morphology, and Thermal Properties of Hyperbranched Polyborates Modified Phenolic Resins, 2012P

—; Lin, G.; Wu, C.: Preparation of Polysulfone-*g*-Poly(*N*-Isopropylacrylamide) Graft Copolymers Through Atom Transfer Radical Polymerization and Formation of Temperature-Responsive Nanoparticles, 4756C

—; Wang, Z.; Yang, H.; Gao, L.; Li, G.; Ding, M.: 3-Phenylethynyl Phthalimide End-Capped Imide Oligomers and the Cured Polymers, 4227C

Liu, Y. See Chen, Y., 4249C; Du, J., 1376C; Hussain, H., 5604C, 7287C; Liu, L., 3294C; Sun, J., 5616C; Tian, W., 5036C; Wang, S., 2708C

Liu, Z.-T.

—; He, Y.-M.; Wang, Z.-J.; Feng, Y.; Fan, Q.-H.: Synthesis, Optical Properties, and Spectral Stability of Chiral Dendronized Binaphthyl-Containing Polyfluorene Derivatives, 886C

Liu, Z. See Ma, C., 2637P

Livney, Y. D. See Shpigelman, A., 2307P

Livotto, P. R. See Fim, F. D. C., 3830C

Lligadas, G.

—; Ladislaw, J. S.; Guliashvili, T.; Percec, V.: Functionally Terminated Poly(methyl Acrylate) by SET-LRP Initiated with $CHBr_3$ and CHI_3, 278C

—; Percec, V.: A Comparative Analysis of SET-LRP of MA in Solvents Mediating Different Degrees of Disproportionation of Cu(I)Br, 6880C

—; Percec, V.: Alkyl Chloride Initiators for SET-LRP of Methyl Acrylate, 4917C

—; Percec, V.: SET-LRP of Acrylates in the Presence of Radical Inhibitors, 3174C

—; Percec, V.: Ultrafast SET-LRP of Methyl Acrylate at 25 °C in Alcohols, 2745C

Lo, C.-N. See Vellis, P. D., 7702C

Lobert, M.

—; Hoogenboom, R.; Fustin, C.; Gohy, J.; Schubert, Ulrich S.: Amphiphilic Gradient Copolymers Containing Fluorinated 2-Phenyl-2-Oxazolines: Microwave-Assisted One-Pot Synthesis and Self-Assembly in Water , 5859C

Lodge, T. P. See Lugert, E. C., 516P

Lohse, D. J. See Driva, P., 1826C

Lohse, D. J. See Fragouli, P., 3938C

Loizou, E. See Triftaridou, Aggeliki I., 4420C

Lomadze, N. See Kricheldorf, H. R., 6229C; Kricheldorf, Hans R., 4012C

Lomeda, J. See Kobashi, K., 1265C

Long, J. See Huang, Z., 1618C

Long, T. E. See Unal, S., 6285C

Longo, P. See Napoli, M., 1476C, 4725C

Lonsdale, D. E. See Urbani, C. N., 1533C

Loo, L. S. See Zhang, X., 2605P

Loontjens, T. See Pretula, J., 830C

Lopes-DA-Silva, J. A. See Veleirinho, B., 460P

López, D. See Fernández, E., 322P; Solar, L., 1837P

Lopez-Ureta, L. C.Orozco-Guareño, E.

—; Cruz-Barba, L. E.; Gonzalez-Alvarez, A.; Bautista-Rico, F.: Synthesis and Characterization of Acrylamide/Acrylic Acid Hydrogels Crosslinked Using a Novel Diacrylate of Glycerol to Produce Multistructured Materials, 2667C

Lorenzo, A. T.

—; Müller, A. J.: Estimation of the Nucleation and Crystal Growth Contributions to the Overall Crystallization Energy Barrier, 1478P

Losio, S. See Menichetti, S., 6393C

Lossow, C. V. See Kricheldorf, Hans R., 4012C

Lotti, N. See Soccio, M., 170P, 818P

Lou, L.

—; Jiang, L.; Sun, W.; Shen, Z.: A Novel Optically Active Diblock Copolymer Composed of Poly(ethylene Glycol) and Poly[*N*-[*o*-(4-Phenyl-4,5-Dihydro-1,3-Oxazol-2-Yl)phenyl]maleimide]: Synthesis, Micellization Behavior, and Chiroptical Property, 1025C

Loubat, C. See Asri, Z. E., 4794C; Chougrani, K., 7972C

Lougnot, D. J. See Soppera, O., 3783C

Love, B. J.

—; Ruinet, F. Piguet; Teyssandier, F.: Chemorheology of Photopolymerizable Acrylates Using a Modified Boltzmann Sigmoidal Model, 2319P

Lowenhielm, P. See Takizawa, K., 2897C

Lowther, S. E. See Kang, J. H., 2532P

Lozano, A. E. See Ferreiro, J. J., 7566C; Maya, E. M., 8170C

Lu, D.

—; Tao, K.; Wang, Y.; Bai, R.: Synthesis, Characterization, and Self-Assembly of Ion-Bonded A_2B Rod-Coil

Copolymer with Oligo(*para*-phenyleneethynylene) as rod Segment, 7667C
—; Wang, Y.; Wu, T.; Tao, K.; An, L.; Bai, R.: A Strategy for Synthesis of Ion-Bonded Amphiphilic Miktoarm Star Copolymers Via Supramolecular Macro-RAFT Agent, 5805C
Lu, D. D.
—; Yuan, J. C.; Li, H.; Lei, Z.: Synthesis and Characterization of a Series of Biodegradable and Biocompatible PEG-Supported Poly(lactic-Ran-Glycolic Acid) Amphiphilic Barbell-Like Copolymers, 3802C
Lu, F. See Chen, Y.-Y., 3207C
Lu, G. See Feng, C., 5638C; Gu, L., 4056C
Lu, H.-C. See Wu, C.-G., 1586C
Lu, H.-Y.
—; Lu, S.-F.; Chen, M.; Yang, C.-S.; Chen, C. H.; Tsai, C.-J.: Characterization, Crystallization Kinetics, and Melting Behavior of Poly(ethylene succinate) Copolyester Containing 10 mol % Butylene Succinate, 2431P
Lu, J. See Li, X., 3336C
Lu, M. See Li, X., 117C, 2734C
Lu, M. See Wu, C., 1121P
Lu, P. See Wang, B., 3120C; Wang, F., 5242C
Lu, S.-F. See Lu, H.-Y., 2431P
Lu, X.-B. See Li, B., 6102C
Lu, X. See Gao, K., 4889C
Lu, Z.-Y. See Liu, J., 272P
Luan, Y. H. See Huang, Z. X., 1416C
Ludwiczak, M. See Majchrzak, M., 127C
Lugert, E. C.
—; Lodge, T. P.; Bühlmann, P.: Plasticization of Amorphous Perfluoropolymers, 516P
Luo, R.
—; Chen, Y.; Sen, A.: Effect of Lewis and Brønsted Acids on the Homopolymerization of Acrylates and Their Copolymerization with 1-Alkenes, 5499C
Luo, X. See Deng, J., 4112C; Wang, G., 2154C
Luo, Y.-D.
—; Dai, C.-A.; Chiu, W.-Y.: Polystyrene/Fe_3O_4 Composite Latex Via Miniemulsion Polymerization-Nucleation Mechanism and Morphology, 1014C
—; Dai, C.-A.; Chiu, W.-Y.: Synthesis of P(AA-SA)/ZnO Composite Latex Particles via inverse Miniemulsion Polymerization and its application in pH Regulation and UV Shielding, 8081C
Luo, Y. See Li, D., 970C
Luo, Z. See Shi, Y., 2433C
Lutsen, L. See Mens, R., 138C
Lutsyk, E. D. See Karabanova, L. V., 1696P
Lutz, J.
—; Polymerization of Oligo(Ethylene Glycol) (Meth)Acrylates: Toward New Generations of Smart Biocompatible Materials , 3459C
Lv, D.-S. See Li, X., 117C
Lv, R.
—; Xu, W.; Na, B.; Zhang, Q.; Fu, Q.: Large Tensile Deformation Behavior of Oriented High-Density Polyethylene: A Correlation Between Cavitation and Lamellar Fragmentation, 1202P
Lyoo, W. S. See Xue, Z., 2922C

Ma, C.
—; Du, W.; Chen, H.; Liu, Z.; Qin, Z.; Pan, D.: Influences of Nonsolvent and Temperature on Critical Viscoelastic Behaviors of Ternary Polyacrylonitrile Solutions Around the Sol-Gel Threshold, 2637P
Ma, C. M. See Yuen, S.-M., 472P
Ma, C.-C. M. See Yuen, S.-M., 803C
Ma, D. See Fu, Y., 1349C; Xun, S., 1566C
Ma, G. See Qu, J., 5794C
Ma, G. See Guo, J., 1562P
Ma, J.
—; Cheng, C.; Sun, G.; Wooley, Karen L.: A Polarity-Activation Strategy for the High Incorporation of 1-Alkenes Into Functional Copolymers *via* RAFT Copolymerization, 3488C
—; Zhang, L.; Fan, B.; Xu, Y.; Liang, B.: A Novel Sodium Carboxymethylcellulose/Poly(*N*-Isopropylacrylamide)/Clay Semi-IPN Nanocomposite Hydrogel with Improved Response Rate and Mechanical Properties, 1546P
Ma, L.
—; Sheng, Y.; Huang, Q.; Zhao, Y.; Deng, K.; Li, J.; Yang, W.: A Kind of Novel Nonmetallocene Catalysts for Ethylene Polymerization, 33C
Ma, S. See Li, G., 5028C
Ma, X.
—; Zhang, C.; Xiao, G.; Yan, D.; Sun, G.: Synthesis and Characterization of Sulfonated Poly(phthalazinone Ether Phosphine Oxide)s by Direct Polycondensation for Proton Exchange Membranes, 1758C
Ma, X. See Zhang, Q., 1243P
Ma, Y. See Wang, B., 3120C; Wang, F., 5242C
Ma, Y. See Li, Y., 1105P
Ma, Z. See Gao, M.-L., 2807C
Ma, Z. See Huang, X., 2143P
Machado, T. See Fim, F. D. C., 3830C
Madec, P.-J. See Catel, Y., 7074C
Madkour, A. E. See Alfred, S. F., 2640C, 6672C
Maeda, H. See Tamai, T., 1470C
Maekawa, Y. See Chen, J., 5559C
Magnet, S. See Dire, C., 6333C
Mai, Y. See Hong, H., 668C
Maiorana, S. See Baldoli, C., 1683C
Maiti, S. See Rossi, Nicholas A. A., 4021C
Majchrzak, M.
—; Ludwiczak, M ; Bayda, M.; Marciniak, B.; Marciniec, B.: Highly Stereo-Efficient Synthesis and Luminescence Properties of Novel *trans*-Regular Vinylene– Silylene–Thiophene Polymers, 127C
Majesté, J.-C. See Elias, L., 1976P
Mak, C. S. C. See Cheng, K. W., 1305C
Makino, M. See Ishizu, K., 3429C
Makino, Y. See Hashimoto, T., 1629C
Malkoch, M. See Khan, A., 6238C; Nilsson, C., 1339C
Malmström, E. See Nilsson, C., 1339C
Malucelli, G. See Mariani, A., 3344C
Malvadkar, N. See Cetinkaya, M., 640P
Manca, J. See Mens, R., 138C
Mandal, T. K. See Kotal, A., 1111C
Manfredi, A. See Bencini, M., 1607C

Manolova, N. See Mincheva, R., 6712C
Mansour, S. H. See Ikladious, Nawal E., 5568C
Mantecón, A. See González, L., 1229C, 3088C; Spegazzini, N., 3886C
Mantovani, G. See Wright, P. M., 7376C
Mänz, M. See Boschmann, D., 7280C
Mao, C.-F.
—; Self- and Cross-Associations in Two-Component Mixed Polymer Gels, 80P
Mao, C.
—; Hong, J.; Yeh, A.: Influence of Aggregation on the Phosphorescence of Iridium Complex in Poly(methyl Methacrylate) Matrix, 631P
Marín-Bernabé, R. See Zamora, F., 5167C
Marín, R.
—; Muñoz-Guerra, S.: Linear Polyurethanes Made From Threitol: Acetalized and Hydroxylated Polymers, 7996C
Marchand-Brynaert, J. See Henry, G. R. P., 2936C
Marchese, P. See Berti, C., 619P
Marcilla, R. See Pozo-Gonzalo, C., 3150C
Marciniak, B. See Bartoszewicz, J., 8013C; Majchrzak, M., 127C
Marciniec, B. See Majchrzak, M., 127C
Marco, C. See Martínez, G., 6722C
Mariani, A.
—; Fiori, S.; Bidali, S.; Alzari, V.; Malucelli, G.: Frontal Polymerization of Diurethane Diacrylates, 3344C
Marianucci, E. See Berti, C., 619P
Mariconda, A. See Napoli, M., 4725C
Marie, P. See Charrault, E., 1337P
Marini, M.
—; Toselli, M.; Borsacchi, S.; Mollica, G.; Geppi, M.; Pilati, F.: Facile Synthesis of Core-Shell Organic–Inorganic Hybrid Nanoparticles with Amphiphilic Polymer Shell by One-Step Sol–Gel Reactions, 1699C
Mario, B.
—; Nanoconfinement as a Tool to Study Early Stages of Polymer Crystallization, 1556P
Marks, M. J.
—; Verghese, N. E.; Hrovat, K. J.; Laboy-bollinger, A.; Buck, J. C.; Rabon, Jr., J. A.; O'connell, C. L.; Allen, L.: The Effects of Monophenol Chain Terminators on the Structure–Property Relationships of Controlled Epoxy Networks, 1632P
Marque, S. R. A. See Edeleva, M., 6828C
Marques, D. S. See Coelho, Jorge F. J., 421C, 6542C
Marrucho, I. M. See Gonçalves, Carla M. B., 1P
Marshall, E. L. See Biagini, Stefano C. G., 7985C
Marshall, W. J. See Ionkin, A. S., 585C
Martínez-Palau, M.
—; Franco, L.; Puiggalí, J.: Nonisothermal Crystallization Studies on Poly(4-Hydroxybutyric Acid-*alt*-Glycolic Acid), 121P
Martínez, G.
—; Gómez, M. A.; Marco, C.; Ellis, G.; Gómez, R.; Segura, JosÉ L.: Synthesis of a [60] fullerene—functionalized Isotactic Polypropylene Derivative, 6722C
Martin, G. See Elias, L., 1976P
Martinschitz, K. J. See Gindl, W., 297P
Masci, G.
—; Diociaiuti, M.; Crescenzi, V.: ATRP Synthesis and Association Properties of Thermoresponsive Anionic Block Copolymers, 4830C
Masenelli-Varlot, K. See Vermogen, A., 1966P
Masenelli-Varlot, K. See Jéol, S., 3985C
Masenelli-Varlot, K. See Vu, H., 1820P
Mastrorilli, P. See Grisorio, R., 6051C
Masuda, S. See Hirano, T., 3145C
Masuda, T. See Khan, F. Z., 2326C; Liu, R., 4175C, 4183C
Mata-Padilla, M. See Medellín-rodríguez, F. J., 2188P
Matahwa, H. See van den Dungen, E. T. A., 2500C
Mathai, S. See Katritzky, A. R., 238C
Mathews, A. S.
—; Kim, D.; Kim, Y.; Kim, I.; Ha, C.-S.: Synthesis and Characterization of Soluble Polyimides Functionalized with Carbazole Moieties, 8117C
Mathias, L. J. See Tas, H., 7785C
Mathias, L. J. See Morizur, J., 3182C
Matloka, P. P.
—; Kean, Z.; Greenfield, M.; Wagener, K. B.: Synthesis and Characterization of Oligo(Oxyethylene)/Carbosilane Copolymers for Thermoset Elastomers Via ADMET, 3992C
Matsui, T. See Yoshida, M., 1749C
Matsumoto, H. See Danno, T., 558P
Matsumoto, K.
—; Ozaki, F.; Matsuoka, H.: Synthesis of Proton-Conducting Block Copolymer Membranes Composed of a Fluorinated Segment and a Sulfonic Acid Segment, 4479C
Matsumoto, K. See Nakabayashi, K., 3947C, 7332C
Matsumura, S.
—; Hlil, A. R.; Hay, A. S.: Synthesis, Properties, and Sulfonation of Novel Dendritic Multiblock Copoly(ether-Sulfone), 6365C
—; Hlil, Antisar R.; Du, N.; Lepiller, C.; Gaudet, J.; Guay, D.; Shi, Z.; Holdcroft, S.; Hay, Allan S.: Ionomers for Proton Exchange Membrane Fuel Cells with Sulfonic Acid Groups on the End-Groups: Novel Branched Poly(ether-Ketone)s with 3,6-Ditrityl-9*H*-Carbazole End-Groups, 3860C
Matsuo, M. See Chen, Q., 359P
Matsuoka, H. See Matsumoto, K., 4479C
Mattoso, L. H. C. See Reis, A. V., 2567C
Matyjaszewski, K. See Yamamoto, S.-I., 194C; Yamamura, Y., 2015C
Mauldin, T. C.
—; Haman, K.; Sheng, X.; Henna, P.; Larock, R. C.; Kessler, M. R.: Ring-Opening Metathesis Polymerization of a Modified Linseed Oil with Varying Levels of Crosslinking, 6851C
Mauler, R. S. See Santos, K. S., 2519P

Maya, E. M.
—; Muñoz, D. M.; Lozano, A. E.; de Abajo, J.; de la Campa, J. G.: Fluorenyl Cardo Copolyimides Containing Poly(ethylene oxide) segments: Synthesis, Characterization, and Evaluation of Properties, 8170C
Mazzotti, M. See Pini, R., 483P
McKenna, G. B. See Li, Q., 2719P; O'Connell, P. A., 1952P, 2278P
McKenna, G. B. See Wu, J., 2779P
McKenna, J. T. See Streletzky, K. A., 771P
McKenzie, J. M. See Pound, G., 6575C
McLeary, J. B. See van den Dungen, E. T. A., 2500C
McNamara, K. See Harwood, H. J., 2347C
Mcquade, D. T. See Kobašlija, M., 2309C
Mecerreyes, D. See Pozo-gonzalo, C., 3150C
Medellín-Rodríguez, F. J.
—; Mata-Padilla, M.; Sánchez-Valdes, S.; Vega-Díaz, S.; Dávalos-Montoya, O.: Step-Like Melting Mechanisms of Isothermally Crystallized Isotactic Polypropylene, 2188P
Medvedev, A. See Shibaev, V., 6532C
Megiel, E.
—; Kaim, A.: Factors Influencing the C—ON Bond Strength of the Alkoxyamines in the Styrene–Acrylonitrile–TEMPO Copolymerization System, 1165C
Meher, N. K. See Katritzky, A. R., 238C
Meier, M. A. R. See Kul, D., 650C
Meijer, E. W. See Ü.; Kanca, , 2721C
Meister, F. See Heinze, T., 3853C
Mela, P. See Vaida, C., 6789C
Melo, J. S. S. See de Costa, T., 1402C
Memoli, A. See Napoli, M., 1476C
Mendrek, A. See Mendrek, S., 2488C
Mendrek, S.
—; Mendrek, A.; Adler, H.; Walach, W.; Dworak, A.; Kuckling, D.: Synthesis of Poly(glycidol)-*block*-Poly(*N*-Isopropylacrylamide) Copolymers Using New Hydrophilic Poly(glycidol) Macroinitiator, 2488C
Meng, K. See Wang, P., 3424C
Menichetti, S.
—; Viglianisi, C.; Liguori, F.; Cogliati, C.; Boragno, L.; Stagnaro, P.; Losio, S.; Sacchi, M. C.: Ethylene-Based Copolymers with Tunable Content of Polymerizable Hindered Phenols as Nonreleasing Macromolecular Additives, 6393C
Menner, A.
—; Salgueiro, M.; Shaffer, Milo S. P.; Bismarck, A.: Nanocomposite Foams Obtained by Polymerization of High Internal Phase Emulsions, 5708C
Mens, R.
—; Adriaensens, P.; Lutsen, L.; Swinnen, A.; Bertho, S.; Ruttens, B.; D'haen, J.; Manca, J.; Cleij, T.; Vanderzande, D.; Gelan, J.: NMR Study of the Nanomorphology in Thin Films of Polymer Blends Used in Organic PV Devices: MDMO-PPV/PCBM, 138C
Mensitieri, G.
—; Larobina, D.; Guerra, G.; Venditto, V.; Fermeglia, M.; Pricl, S.: Chloroform Sorption in Nanoporous Crystalline and Amorphous Phases of Syndiotactic Polystyrene, 8P
Menzel, H. See Knoop, Rutger J. I., 3068C
Mequanint, K. See De Wit, M. A., 6376C; Patel, A., 6272C
Mercadé-Prieto, R.
—; Paterson, W. R.; Ian Wilson, D.: Comparison Between the Dissolution of Whey Protein Gels and of Synthetic Polymers, 1007P
Mercier, R. See Didier, B., 1891P
Mereiter, K. See Burtscher, D., 4630C
Meristoudi, A.
—; Pispas, S.; Vainos, N.: Self-Assembly in Solutions of Block and Random Copolymers During Metal Nanoparticle Formation, 1515P
Mespouille, L.
—; Coulembier, O.; Paneva, D.; Degée, P.; Rashkov, I.; Dubois, P.: Synthesis of Adaptative and Amphiphilic Polymer Model Conetworks by Versatile Combination of ATRP, ROP, and "Click Chemistry", 4997C
Metrangolo, P. See Coluccini, C., 5202C
Meuldijk, J. See Smeets, Niels M. B., 5839C
Meyer, T. Y. See Stayshich, Ryan M., 4704C
Miao, S.
—; Zhang, S.; Su, Z.; Wang, P.: Chemoenzymatic Synthesis of Oleic Acid-Based Polyesters for Use as Highly Stable Biomaterials, 4243C
Michinobu, T. See Noguchi, H., 5101C
Mieda, N. See Tenma, M., 41P
Mijangos, C. See Fernández, E., 322P
Mikroyannidis, J. A. See Karastatiris, P., 2367C; Vellis, P. D., 7702C
Mikroyannidis, J. A. See Vellis, Panagiotis D., 5592C
Milan, M. L. See Vermogen, A., 1966P
Min, B. R. See Choi, J. K., 691P
Minagawa, M. See Danno, T., 558P
Mincheva, R.
—; Bougard, F.; Paneva, D.; Vachaudez, M.; Manolova, N.; Dubois, P.; Rashkov, I.: Self-Assembly of *n*-Carboxyethylchitosan Near the Isoelectric Point, 6712C
Minelli, C. See Tang, M., 4352C
Mineo, P. See Vitalini, D., 2145C
Ming, W. See Dikić, T., 218C
Mingotaud, A.
—; Mingotaud, C.; Moussa, W.: Characterization of the Micellar Ring Opening Metathesis Polymerization in Water of a Norbornene Derivative Initiated by Hoveyda-Grubbs' Catalyst, 2833C
Mingotaud, C. See Mingotaud, A., 2833C
Minnikanti, V. S. See Qian, Z., 1788P
Miri, Massoud J. See Fullana, Matthew J., 5542C
Misaka, H. See Nishizawa, O., 1185C, 7411C
Misawa, T. See Kihara, N., 6255C
Mishra, A. K.
—; Nando, G. B.; Chattopadhyay, S.: Exploring Preferential Association of Laponite and Cloisite with Soft and Hard Segments in TPU-Clay Nanocomposite Prepared by

Solution Mixing Technique, 2341P
Misner, M. J. See Fustin, C., 4719C
Misu, M. See Sasaki, T., 2116P
Mitchell, B. S. See Schexnaydre, R. J., 1348P
Miyake, J.
—; Chujo, Y.: A Hybrid-Type, Chiral π-Conjugated Polymer Wrapped with Polyhedral Oligomeric Silsesquioxanes, 6035C
—; Chujo, Y.: Persistent and Emission Color Tunable Poly(phenylene-ethynylene)s Covered with Polyhedral Oligomeric Silsesquioxanes, 8112C
Miyakoshi, R.
—; Yokoyama, A.; Yokozawa, T.: Development of Catalyst-Transfer Condensation Polymerization. Synthesis of -Conjugated Polymers with Controlled Molecular Weight and Low Polydispersity, 753C
Miyatake, K.
—; Yasuda, T.; Watanabe, M.: Substituents Effect on the Properties of Sulfonated Polyimide Copolymers, 4469C
Miyazaki, M. See Nishihara, Y., 7913C
Miyazaki, T. See Hirano, T., 5698C
Mizoguchi, K.
—; Ueda, M.: Negative-Type Photosensitive Poly(phenylene Ether) Based on Poly(2,6-Dimethyl-1,4-Phenylene Ether), a Crosslinker, and a Photoacid Generator, 4949C
Mizuno, K. See Tamai, T., 1470C
Mogridge, J. See Gujraty, K. V., 7249C
Mohieddine, R. See Streletzky, K. A., 771P
Moia, T. A. See Reis, Adriano V., 2567C
Mok, M. M.
—; Kim, J.; Torkelson, J. M.: Gradient Copolymers with Broad Glass Transition Temperature Regions: Design of Purely Interphase Compositions for Damping Applications, 48P
Möller, M. See Vaida, C., 6789C
Mollica, G. See Marini, M., 1699C
Monge, S. See Colomines, G., 433C
Monnet, C. See Jéol, S., 3985C
Montague, M. F. See Khan, A., 6238C
Montarnal, D.
—; Cordier, P.; Soulié-ziakovic, C.; Tournilhac, F.; Leibler, L.: Synthesis of Self-Healing Supramolecular Rubbers From Fatty Acid Derivatives, Diethylene Triamine, and Urea, 7925C
Monteil, V. See Ribour, D., 5461C
Monteiro, M. J. See Bell, C. A., 146C; Urbani, C. N., 1533C
Monteiro, M. J. See Johnstonhall, G., 3155C; Whittaker, Michael R., 6346C
Montejano, H. A. See Gómez, M. L., 289P
Montembault, V. See Cracowski, J., 4383C
Montero de Espinosa, L.
—; Ronda, J. C.; Galià, M.; Cádiz, V.: A New Enone-Containing Triglyceride Derivative as Precursor of Thermosets From Renewable Resources, 6843C
Moon, I. K.
—; Choi, C.-S.; Kim, N.: Synthesis and Photorefractivity of Poly[methyl-3-(7-Dibenzo[*a*,*g*]carbazolyl)-Propylsiloxane], 1783C
Moon, S.
—; Iji, M.: Fabrication and Characterization of Poly(butylene Succinate)-Grafted Carbon Fiber/Poly(L-Lactide) Nanocomposites, 4433C
Morgado, J. See Bonifácio, Vasco D. B., 2878C
Mori, H. See Hashimoto, T., 1893C
Mori, T.
—; Imai, K.; Hasegawa, M.; Okahata, Y.: Nanometer-Scale Surface Modification by Polymerization of Tetrafluoroethylene on Polymer Substrates in Supercritical Fluoroform, 1577C
—; Kijima, M.: Synthesis and Optical Properties of Blue Luminescent Poly(2,6-Naphthalene)s, 4258C
Mori, T. See Hirano, T., 4575C
Morikawa, H.
—; Koike, S.; Saiki, M.; Saegusa, Y.: Synthesis and Characterization of the PEG-Based Nonionic Surfactants Endowed with Carboxylic Acid Moiety at the Hydrophobic Terminal, 8206C
Morizawa, Y. See Takamiya, I., 5133C
Morizur, J.
—; Mathias, Lon J.: New Poly(ester Amide)s From Alkyl 2-(Carboethoxyhydroxymethyl)-Acrylates, 3182C
Morlet-Savary, F. See El-Roz, M., 7369C
Morozov, S. V. See Edeleva, M., 6828C
Mortensen, K.
—; Gasser, U.; Gürsel, S. A.; Scherer, G. G.: Structural Characterization of Radiation-Grafted Block Copolymer Films, Using SANS Technique, 1660P
Moszner, N. See Höfer, M., 6916C
Motokucho, S. See Sudo, A., 2588C
Moulin, C. See Dannoux, A., 861P
Moussa, W. See Mingotaud, A., 2833C
Mouzakis, D. E. See Tzavalas, S., 668P
Mowery, D. M. See Weaver, J. D., 4542C
Mudiyanselage, T. K.
—; Neckers, D. C.: Highly Absorbing Superabsorbent Polymer, 1357C
Mujumdar, S. K.
—; Siegel, R. A.: Introduction of pH-Sensitivity into Mechanically Strong Nanoclay Composite Hydrogels Based on *n*-Isopropylacrylamide, 6630C
Mülhaupt, R. See Halbach, Tobias S., 2755C
Müller, A. J. See Lorenzo, A. T., 1478P
Munam, A.
—; Gauthier, M.: Large-Scale Synthesis of Arborescent Polystyrenes, 5742C
Munari, A. See Soccio, M., 170P, 818P
Munch, E.
—; Pelletier, J.-M.; Vigier, G.: Increase in Molecular Mobility of an Amorphous Polymer Deformed Below T_g, 497P
Muniz, E. C. See Reis, Adriano V., 2567C
Muñoz, D. M. See Maya, E. M., 8170C

Muñoz-Bonilla, A.
—; Haddleton, D. M.; Cerrada, M. L.; Fernández-García, M.: Synthesis of Poly(di[methylamine]ethyl Methacrylate)-*b*-Poly(cyclohexyl Methacrylate)-*b*-Poly(di[methylamine] Ethyl Methacrylate) Amphiphilic Triblock Copolymers by ATRP: Condensed-Phase and Solution Properties, 85C
Muñoz-Espí, R. See Solar, L., 1837P
Muñoz-Guerra, S. See Marín, R., 7996C; Zamora, F., 5167C
Munteanu, G. See Cazacu, M., 1862C
Murakami, T. See Ishizu, K., 1525P
Murata, T. See Yamaguchi, T., 2126P, 2644P
Murotani, E. See Takamiya, I., 5133C
Murphy, K. A.
—; Eisenhauer, J. M.; Savin, D. A.: Synthesis, Self-Assembly and Adsorption of PEO–PLa Block Copolymers Onto Colloidal Polystyrene, 244P
Münstedt, H. See Starý, Z., 16P
Mutsuo, S.
—; Yamamoto, K.; Furuzono, T.; Kimura, T.; Ono, T.; Kishida, A.: Pressure-Induced Molecular Assembly of Hydrogen-Bonded Polymers, 743P
Muzafarov, A. M.
—; Rebrov, E. A.: From the Discovery of Sodium Oxyorganoalkoxysilanes to the Organosilicon Dendrimers and Back, 4935C
Mya, K. Y. See Hussain, H., 766C
Myung, S. J. See Kwon, S.-M., 182P

Na, B. See Lv, R., 1202P
Na, J. H. See Chang, J., 2395P
Naddeo, C. See Guadagno, L., 599P
Naga, N.
—; Tagaya, N.; Noda, H.; Imai, T.; Tomoda, H.: Synthesis and Properties of Fluorene Or Carbazole-Based Alternating Copolymers Containing Si and Vinylene Units in the Main Chain, 4513C
Nagahama, K.
—; Fujiura, K.; Enami, S.; Ouchi, T.; Ohya, Y.: Irreversible Temperature-responsive Formation of High-strength Hydrogel from an Enantiomeric Mixture of Starburst Triblock Copolymers Consisting of 8-arm PEG and PLLA or PDLA, 6317C
Nagai, A.
—; Hirabayashi, T.; Kudo, H.; Nishikubo, T.: Synthesis of Star Polymer by Atom Transfer Radical Polymerization with Resorcinol-Core Multifunctional Initiator: the Construction of Nanocapsule Via Hydrolysis and Olefin Metathesis Reaction of the Obtained Star Polymer , 4879C
—; Kamei, Y.; Wang, X.-S.; Omura, M.; Sudo, A.; Nishida, H.; Kawamoto, E.; Endo, T.: Synthesis and Crosslinking Behavior of a Novel Linear Polymer Bearing 1,2,3-Triazol and Benzoxazine Groups in the Main Chain by a Step-Growth Click-Coupling Reaction, 2316C
Nagai, A. See Kamei, Y., 2649C
Nagai, D.
—; Fujii, A.; Ochiai, B.; Sudo, A.; Endo, T.: Solid-Supported Synthesis of Well-Defined Amphiphilic Block Copolymer From Methacrylates, 1990C
—; Yokota, K.; Ogawa, T.; Ochiai, B.; Endo, T.: Cationic Ring-Opening Copolymerization Behavior of Trioxane and Seven-Membered Cyclic Carbonate, 733C
Nagai, K. See Duthie, X., 1879P
Nagao, S. See Lintinen, K., 5194C
Nagashima, K. See Ikeda-fukazawa, T., 831P
Nagel, C. See Erichsen, J., 1991P
Nagura, M. See Yamaguchi, T., 2126P, 2644P
Naka, K. See Nemoto, T., 2864C
Nakabayashi, K.
—; Matsumoto, K.; Higashihara, T.; Ueda, M.: Influence of Adjusted Hydrophilic–Hydrophobic Lengths in Sulfonated Multiblock Copoly(ether sulfone) membranes for Fuel Cell Application, 7332C
—; Matsumoto, K.; Ueda, M.: Synthesis and Properties of Sulfonated Multiblock Copoly(ether Sulfone)s by a Chain Extender, 3947C
Nakagawa, T. See Takagi, K., 8141C
Nakamura, K. See Hirano, T., 4575C
Nakamura, S. See Kojio, K., 2054P
Nakamura, Y. See Terraza, C. A., 1510C
Nakashima, A. See Sato, M., 6688C
Nakayama, M. See Akimoto, J., 7127C
Nakayama, Y. See Nemoto, Y., 4505C; Nishihara, Y., 3314C
Namikoshi, T. See Hashimoto, T., 1902C
Nandi, A. K. See Garai, A., 28P
Nando, G. B. See Mishra, A. K., 2341P
Napoli, M.
—; Mariconda, A.; Immediata, I.; Longo, P.: Copolymerization of Ethylene with Cyclopentene Or 2-Butene with Half Titanocenes-Based Catalysts, 4725C
—; Ricciardi, R.; Memoli, A.; Longo, P.: Styrene/1,3-Butadiene Copolymerization by C_2-Symmetric Group 4 Metallocenes Based Catalysts, 1476C
Narain, R. See Deng, Z., 4984C
Narasimhaswamy, T. See Radhakrishnan, S., 1463P
Narita, T. See Umino, Y., 7011C
Nasar, A. S. See Vanjinathan, M., 713C
Nasar, A. S. See Shanmugam, T., 5414C
Nasir, M. See Danno, T., 558P
Nason, C.
—; Pojman, J. A.; Hoyle, C.: The Effect of a trithiol and Inorganic Fillers on the Photo-Induced Thermal Frontal Polymerization of a triacrylate, 8091C
Nasr, G. See Thami, T., 3546C
Natori, I.
—; Natori, S.; Sekikawa, H.; Sato, H.: Synthesis of Soluble Poly(*para*-Phenylene) with a Long Polymer Chain: Characteristics of Regioregular Poly(1,4-Phenylene), 5223C
—; Natori, S.: Anionic Polymerization of 1,3-cyclohexadiene with Alkyllithium/amine System in an Aromatic Hydrocarbon

Solvent: Predominant Formation of 1,2-addition Product, 6604C
—; Natori, S.: Synthesis of Star Poly(1,3-Cyclohexadiene): Grafting Reaction of Poly(1,3-Cyclohexadienyl)lithium Onto C_{60}, 3282C
Natori, S. See Natori, I., 3282C, 5223C, 6604C
Naumov, S. See Scherzer, T., 4905C
Navarro, A.
—; Río, C. D.; Acosta, J. L.: Pore-Filling Electrolyte Membranes Based on Microporous Polyethylene Matrices Activated with Plasma and Sulfonated Hydrogenated Styrene Butadiene Block Copolymer. Synthesis, Microstructural and Electrical Characterization, 1684P
Navarro, R. See Hoyos, M., 1301P
Nazarenko, S. See Khare, R., 2645P
Neckers, D. C. See Mudiyanselage, T. K., 1357C
Negrell-Guirao, C. See Asri, Z. E., 4794C
Neher, D. See Tsami, A., 7794C
Nehls, B. S. See Bünnagel, T. W., 7342C
Nejad, E. H.
—; Castignolles, P.; Gilbert, R. G.; Guillaneuf, Y.: Synthesis of Methacrylate Derivatives Oligomers by Dithiobenzoate-RAFT-mediated Polymerization, 6364C
Nejad, E. H.
—; Castignolles, P.; Gilbert, Robert G.; Guillaneuf, Y.: Synthesis of Methacrylate Derivatives Oligomers by Dithiobenzoate-RAFT-Mediated Polymerization, 2277C
Nemoto, N. See Niwa, Y. 692C,
Nemoto, T.
—; Naka, K.; Chujo, Y.: Bidentate Coordination Effect on Polycondensation of Amino Acid Esters Between Metal Triflates and Methoxy Groups, 2864C
Nemoto, T. See Hashimoto, T., 1902C
Nemoto, Y.
—; Nakayama, Y.: Optimal Irradiation Wavelength in Iniferter-Based Photocontrolled Radical Polymerization, 4505C
Neoh, K. G. See Cheng, Z., 2119C
Netopilík, M. See Podešva, J., 3919C
Ng, A. M. C. See Cheng, K. W., 1305C
Ng, M. See Zhao, C., 2680C
Nghiem, Q. D.
—; Nguyen, Chi Thanh; Kim, D.: Controlled/Living Radical Polymerization of Vinylcyclicsilazane by RAFT Process and Their Block Copolymers, 4594C
Nguyen, C. T.
—; Kim, D. P.; Hong, S. B.: Delaminated Zeolite-Catalysed Synthesis of High-Molecular Weight Polycarbosilane as a Low Shrinkage SiC Precursor, 725C
Nguyen, C. T. See Nghiem, Q. D., 4594C
Ni, P. See He, J., 3029C
Nickel, D. See Durben, S., 8179C
Nicolas, J. See Dire, C., 6333C
Nie, Y. See Wei, Z., 5232C
Nie, Z. See Liu, J., 7187C
Nikonorova, N. A.
—; Smirnov, N. N.; Diaz-calleja, R.; Yakimansky, A. V.: Local Forms of Molecular Mobility in Copolymethacrylates Containing Side-Chain Nonlinear Optical Chromophores, 1488P
Nilsson, C.
—; Simpson, N.; Malkoch, M.; Johansson, M.; Malmström, E.: Synthesis and Thiol–Ene Photopolymerization of Allyl-Ether Functionalized Dendrimers, 1339C
Ningnuek, N. See Ruehl, J., 8049C
Nishida, H. See Kamei, Y., 2525C, 2649C; Nagai, A., 2316C
Nishihara, Y.
—; Izawa, S.; Inoue, Y.; Nakayama, Y.; Shiono, T.; Takagi, K.: Synthesis, Characterization, and Thermal Properties of Ring-Opening Metathesis Polynorbornenes and Their Hydrogenated Derivatives Bearing Various Ester and Cyano Groups, 3314C
—; Miyazaki, M.; Tomita, Y.; Kadono, Y.; Takagi, K.: Synthesis and Ion Conductive Characteristics of Inorganic–Organic Hybrid Polymers Bearing a Tetraarylpentaborate Unit, 7913C
Nishii, K. See Ban, H. T., 7395C
Nishijima, S. See Shibahara, Y., 1P
Nishikubo, T. See Kudo, H., 7835C; Nagai, A., 4879C
Nishino, H. See Takemura, T., 2250C
Nishio, Y. See Khan, F. Z., 2326C
Nishizawa, O.
—; Misaka, H.; Kakuchi, T.; Satoh, T.: Vinyl Addition Polymerization of Norbornene Using Cyclopentadienylzirconium Trichloride Activated by Isobutyl-Modified Methylaluminoxane, 1185C
—; Misaka, H.; Sakai, R.; Kakuchi, T.; Satoh, T.: Copolymerization of Ethylene and Norbornene Using Cyclopentadienylzirconium Trichloride Activated by Isobutyl-Modified Methylaluminoxane, 7411C
Niu, Y. See Qiu, J., 2100P
Niwa, Y.
—; Kouno, S.; Sayama, W.; Nemoto, N.: Synthesis and Thermal Characterization of Novel Poly(tetramethyl-1,3-Silphenylenesiloxane) Derivative with Phenol Moiety in the Main Chain, 692C
Nobile, C. F. See Grisorio, R., 6051C
Nobile, M. R.
—; Pirozzi, V.; Somma, E.; Gomez D'Ayala, G.; Laurienzo, P.: Development and Rheological Investigation of Novel Alginate/*N*-Succinylchitosan Hydrogels, 1167P
Nobukawa, S. See Urakawa, O., 2556P
Nöchel, U. See Stribeck, N., 721P
Noda, H. See Naga, N., 4513C
Noguchi, H.
—; Michinobu, T.; Fujii, N.; Funahashi, M.; Tokita, M.; Watanabe, J.; Shigehara, K.: Side Chain Liquid Crystal Poly(fumarate)s Bearing Tolane-Based Mesogens, 5101C
Noh, S. K. See Xue, Z., 2922C

Noh, T.
—; Kook, Y. H.; Park, C.; Youn, H.; Kim, H.; Oh, E. T.; Choi, E. K.; Park, H. J.; Kim, C.: Block Copolymer Micelles Conjugated with anti-EGFR Antibody for Targeted Delivery of Anticancer Drug, 7321C
Nohales, A. See Solar, L., 1837P
Nojima, S. See Ban, Hoang The, 7395C
Nomura, K.
—; Zhang, H.; Byun, D.: Factors Affecting Product Distributions in Ethylene/Styrene Copolymerization by (Aryloxo)(cyclopentadienyl)titanium Complexes-MAO Catalyst Systems, 4162C
Normatov, J.
—; Silverstein, M. S.: Highly Porous Elastomer-Silsesquioxane Nanocomposites Synthesized Within High Internal Phase Emulsions, 2357C
North, M. See Biagini, Stefano C. G., 7985C
Nouvel, C. See Dupayage, L., 7606C
Nozaki, K. See Takamiya, I., 5133C
Nulwala, H. See Takizawa, K., 2897C, 5977C
Nunoshige, J.
—; Akahoshi, H.; Shibasaki, Y.; Ueda, M.: Efficient Oxidative Coupling Polymerization for Synthesis of Thermosetting Poly(phenylene Ether) Copolymer with a Low Dielectric Loss, 5278C
Nuopponen, M.
—; Kalliomäki, K.; Laukkanen, A.; Hietala, S.; Tenhu, H.: A–B–a Stereoblock Copolymers of *N*-Isopropylacrylamide, 38C

Ochiai, B. See Nagai, D., 733C
Ochiai, B. See Komatsu, H., 1427C, 3673C, 3682C; Nagai, D., 1990C
O'Connell, C. L. See Marks, M. J., 1632P
O'Connell, P. A.
—; Hutcheson, S. A.; Mckenna, G. B.: Creep Behavior of Ultra-thin Polymer Films, 1952P
—; Hutcheson, S. A.; Mckenna, G. B.: Creep Behavior of Ultra-Thin Polymer Films, 2278P
Odelius, K.
—; Albertsson, A.-C.: Precision Synthesis of Microstructures in Star-Shaped Copolymers of ϵ-Caprolactone, L-Lactide, and 1,5-Dioxepan-2-One, 1249C
Odermatt, E. See Ho, C. H., 5053C
Ogawa, T. See Nagai, D., 733C
Ogino, K. See Shen, J., 1003C
Oginski, B. See Langhals, H., 6660C
Oh, E. T. See Noh, T., 7321C
Oh, J. K.
—; Recent Advances in Controlled/Living Radical Polymerization in Emulsion and Dispersion, 6983C
Oh, K. W. See Kim, D. K., 2255P
Ohkoshi, Y. See Yamaguchi, T., 2126P, 2644P
Ohya, Y. See Nagahama, K., 6317C
Oikonomou, E. K.
—; Bokias, G.; Kallitsis, J. K.: Comparative Study of Electrostatic Binding Vs. Complexation of Cu^{2+} Ions with Water-Soluble Polymers Containing Styrene Sulphonic Acid And/Or Maleic Acid Units Or Their Sodium Salt Forms, 1149P
Okahata, Y. See Mori, T., 1577C
Okamoto, Y. See Zhou, D., 4748C
Okano, T. See Akimoto, J., 7127C; Akiyama, Y., 5471C
Okobira, T. See Shimada, N., 1440C
Okumoto, S. See Yonezumi, M., 6129C
Okuzaki, H.
—; Takahashi, T.; Hara, Y.; Yan, H.: Uniaxially Aligned Carbon Nanofibers Derived From Electrospun Precursor Yarns, 305P
Olcum, N. C. See Yeniad, B., 2290C
Oldani, C. See Baldoli, C., 1683C
O'Lenick, T. G. See Zhao, B., 3438C
Olivier, L.
—; Sabard, M.; Fulchiron, R.; Espuche, E.; David, L.; Guiu, A.: Influence of α-ZrP Fillers and Process Conditions on the Morphology and the Gas Barrier Properties of Filled Polyamide 6 Films, 1734P
Omura, M. See Nagai, A., 2316C
Ono, T. See Mutsuo, S., 743P
O'Reilly, R. K. See Skey, J., 3690C
Orera, I. See Vera, F., 5528C
Oriol, L. See Vera, F., 5528C
Ortega, A. M. See Diani, J., 1226P
Osano, K.
—; Turner, S. Richard: Synthesis, Characterization, and Properties of Linear Poly(ether Sulfone)s with Dendritic Terminal Groups, 958C
Oshimura, M. See Takasu, A., 2300C
Ostaci, R.-V.
—; Celle, C.; Seytre, G.; Beyou, E.; Chapel, J.-P.; Drockenmuller, E.: Influence of Nitroxide Structure on Polystyrene Brushes "Grafted-From" Silicon Wafers, 3367C
Otaigbe, J. U. See Rawal, A., 857P
Otazaghine, B. See Colomines, G., 433C
Ouchi, M. See Uchiike, C., 6819C
Ouchi, T. See Nagahama, K., 6317C
Ouchi, Y. See Fujimori, A., 534P
Ouhib, F.
—; Dkhissi, A.; Iratçabal, P.; Hiorns, R. C.; Khoukh, A.; Desbrières, J.; Pouchan, C.; Dagron-lartigau, C.: Electronic Structure and Optical Properties of Poly[3-(4-octylphenoxy)thiophene]: Experimental and Theoretical Studies, 7505C
Ouyang, C. See Zhu, M., 7401C
Oviedo, M. A. S. See Santos, K. S., 2519P
Oyerviedes, A. V. See Ghislandi, M., 3326C
Ozaki, F. See Matsumoto, K., 4479C
Ozawa, Coreen H. See Shin, J., 3533C
Ozdemir, E. See Koyuncu, S., 1974C
Ozkaya, S. See Yamen, M., 1497P
Ozturk, G. See Unal, S., 6285C

Paczkowski, J. See Bartoszewicz, J., 8013C
Paira, T. K. See Kotal, A., 1111C
Palaniappan, S. See John, A., 1051C
Paley, M. S. See Zhou, H., 3766C
Palmans, A. R. A. See Ü.; Kanca, 2721C

Paluch, M. See Kaminski, K., 3795C
Paluch, M. See Kunal, K., 1390P
Palza, H. See Vanegas, Ma. Eulalia, 798P
Pan, C.-Y. See Han, D.-H., 341C; Shi, G.-Y., 2390C, 6496C; Wang, H.-B., 1388C; Yang, L.-P., 7757C; Yang, L., 6641C; You, Y.-Z., 1730C; Zou, P., 7628C
Pan, C. See Shi, G., 5580C; Yuan, W., 2788C; Zheng, H., 2575C
Pan, D. See Dong, R., 1997P; Ma, C., 2637P
Pan, L. See He, L.-P., 7062C; Tang, L.-M., 2038C
Pan, M. See Liu, C., 6754C; Zhang, Y., 2624C
Pan, P.
—; Zhu, B.; Dong, T.; Inoue, Y.: Poly(L-Lactide)/Layered Double Hydroxides Nanocomposites: Preparation and Crystallization Behavior, 2222P
Pan, S. See Wang, B., 3120C
Panayiotou, C. See Dritsas, G. S., 2166P
Pandey, R. B.
—; Farmer, B. L.: Exfoliation of a Stack of Platelets and Intercalation of Polymer Chains: Effects of Molecular Weight, Entanglement, and Interaction with the Polymer Matrix, 2696P
Paneva, D. See Mespouille, L., 4997C; Mincheva, R., 6712C
Pang, X.
—; Chen, X.; Zhuang, X; Jing, X.: Crown-Like Macrocycle Zinc Complex Derived From β-Diketone Ligand for the Polymerization of Rac-Lactide, 643C
Parachini, M. See Coluccini, C., 5202C
Paranhos, C. M.
—; Dahmouche, K.; Zaioncz, S.; Soares, B. G.; Pessan, L. A.: Relationships between Nanostructure and Thermomechanical Properties in Poly(vinyl alcohol)/Montmorillonite Nanocomposite with an Entrapped Polyelectrolyte, 2618P
Parent, J. S. See Wu, W., 7386C
Paris, J. See Bednar, F., 253P
Park, C. E. See Kang, J. H., 2532P
Park, C. W.
—; Lee, S. J.; Kim, D.; Lee, D. S.; Kim, S. C.: Micelle Formation and Sol–Gel Transition Behavior of Comb-Like Amphiphilic Poly((PLGA-*b*-PEG)MA) Copolymers, 1954C
Park, C. See Noh, T., 7321C
Park, C. See Kang, J. H., 2532P; Ramasundaram, S., 2173P
Park, D.-W. See Bahuleyan, B. K., 1066C
Park, D. See Kwak, G., 5371C
Park, H. J. See Noh, T., 7321C
Park, H. S.
—; Seo, D. W.; Choi, S. W.; Jeong, Y. G.; Lee, J. H.; Kim, D. I.; Kim, W.-G.: Preparation and Characterization of Branched and Linear Sulfonated Poly(ether Ketone Sulfone) Proton Exchange Membranes for Fuel Cell Applications, 1792C
Park, I. K.
—; Chung, Y. S.; Kim, C. K.: Upper Critical Solution Temperature Type Phase Behavior of Poly(styrene-*co*-Acrylonitrile) Blends with Poly(styrene-*co*-*n*-Phenyl Maleimide) and Their Interaction Energies, 1131P
Park, I. Y. See Kim, I. Y., 3629C
Park, J. S.
—; Ryu, T. I.; Song, M.; Yoon, K.-J.; Lee, M. J.; Shin, I. A.; Lee, G.-D.; Lee, J. W.; Gal, Y.-S.; Jin, S.-H.: Synthesis and Characterization of Fluorene-Based Low-Band Gap Copolymers Containing Propylenedioxythiophene and Benzothiadiazole Derivatives for Bulk Heterojunction Photovoltaic Cell Applications, 6175C
Park, J. S. See Kim, S.-C., 1098C; Yoon, K.-J., 6762C
Park, J. T. See Koh, J. H., 702P
Park, J. Y.
—; Yun, J. M.; Kim, J.-B.: A New Type of Eco-Friendly Resist Based on Nonchemically Amplified System, 7534C
Park, J.-H. See Jung, I. H., 7148C
Park, J. See Jung, Y. K., 3573C
Park, J. T. See Lee, K. J., 3911C
Park, K. H. See Hwang, S. Y., 1022P
Park, K. See Hyun, H., 2084C
Park, M. H.
—; Huh, J. O.; Do, Y.; Lee, M. H.: Synthesis and Properties of Polyethylene with Side-Chain Triphenylamines as Hole-Transporting Materials , 5816C
Park, S. C.
—; Jung, H.; Fukukawa, K.-i.; Campos, L. M.; Lee, K.; Shin, K.; Hawker, C. J.; Ha, J. S.; Bang, J.: Highly Ordered Nanoporous Thin Films by Blending of PSt-*b*-PMMA Block Copolymers and PEO Additives as Structure Directing Agents, 8041C
Park, S.-M. See Kim, S.-C., 1098C
Park, S. See Hwang, M., 263P
Park, Y. W. See Cho, M. J., 7419C; Kim, H. S., 501C
Parker, D. J. See Al Lafi, A. G., 1094P, 2212P
Parthiban, A. See Likhitsup, A., 102C
Pas, S. J. See Duthie, X., 1879P
Pascault, J. See Binauld, S., 5506C
Pasini, D. See Coluccini, C., 5202C
Pastor-pérez, L. See Barriau, E., 2049C
Patel, A.
—; Mequanint, K.: Syntheses and Characterization of Physically Crosslinked Hydrogels from dithiocarbamate-derived Polyurethane Macroiniferter, 6272C
Paterson, W. R. See Mercadé-prieto, R., 1007P
Patiño-Soto, A. P.
—; Sanchez-Valdes, S.; Ramos-Devalle, L. F.: Morphological and Thermal Properties of ABS/Montmorillonite Nanocomposites Using Two Different ABS Polymers and Four Different Montmorillonite Clays, 190P
Patrickios, C. S. See Kafouris, D., 3958C; Triftaridou, Aggeliki I., 4420C
Pavlović, D.
—; Linhardt, J. G.; Künzler, J. F.; Shipp, D. A.: Synthesis of Amphiphilic Multiblock and Triblock Copolymers of Polydimethylsiloxane and Poly(*n*,*n*-Dimethylacrylamide), 7033C
Pedemonte, E. See Vicini, S., 791P

Pei, X.
—; Liu, W.; Hao, J.: Functionalization of Multiwalled Carbon Nanotube Via Surface Reversible Addition Fragmentation Chain Transfer Polymerization and as Lubricant Additives, 3014C
—; Xia, Y.; Liu, W.; Yu, B.; Hao, J.: Polyelectrolyte-Grafted Carbon Nanotubes: Synthesis, Reversible Phase-Transition Behavior, and Tribological Properties as Lubricant Additives, 7225C
Pellerin, C. See Liu, Y., 1903P
Pelletier, J.-M. See Munch, E., 497P
Penczek, S. See Pretula, J., 830C
Peng, B. See Wang, H.-Y., 1932P
Peng, J. See Xu, L., 473C; Xu, Y., 453C
Peng, S. See Shin, J., 3533C
Peng, Y.-H. See Kuo, K.-H., 6185C
Percec, V. See Coelho, Jorge F. J., 421C, 6542C; Lligadas, G., 2745C, 278C, 3174C, 4917C, 6880C; Rosen, Brad M., 5663C
Perkas, N.
—; Shuster, M.; Amirian, G.; Koltypin, Y.; Gedanken, A.: Sonochemical Immobilization of Silver Nanoparticles on Porous Polypropylene, 1719C
Perrier, S. See Achilleos, M., 7556C; Barner-kowollik, C., 5715C
Perry, M. C. See Lemmouchi, Y., 5348C, 5363C
Pessan, L. A. See Chinellato, A. C., 1811P; Paranhos, C. M., 2618P
Petruczok, C. D.
—; Barlow, R. F.; Shipp, D. A.: Synthesis of Poly(*tert*-butyl Acrylate-*block*-Vinyl Acetate) copolymers by Combining ATRP and RAFT Polymerizations, 7200C
Pfukwa, R. See Pound, G., 6575C
Pham, T.-N. See Catel, Y., 7074C
Picard, E. See Vermogen, A., 1966P
Picard, E.
—; Vermogen, A.; Gérard, J-F.; Espuche, E.: Influence of the Compatibilizer Polarity and Molar Mass on the Morphology and the Gas Barrier Properties of Polyethylene/Clay Nanocomposites, 2593P
Picken, S. J. See Vlasveld, Daniel P. N., 1914P
Pickford, R. See Gruendling, T., 7447C
Picton, L. See Catel, Y., 7074C
Pietrasik, J. See Yamamoto, S.-I., 194C
Pietrzak, M. See Bartoszewicz, J., 8013C
Pikus, S. See Kultys, A., 1770C
Pilati, F. See Marini, M., 1699C
Piliego, C. See Grisorio, R., 6051C
Pina, J. See Bünnagel, T. W., 7342C
Pini, R.
—; Storti, G.; Mazzotti, M.; Tai, H.; Shakesheff, K. M.; Howdle, S. M.: Sorption and Swelling of Poly(DL-Lactic Acid) and Poly(lactic-*co*-Glycolic Acid) in Supercritical CO_2: an Experimental and Modeling Study, 483P
Pirozzi, V. See Nobile, M. R., 1167P
Pispas, S. See Meristoudi, A., 1515P
Pizzi, A. See Celzard, A., 971P
Platt, A. P. See Goh, Sarah L., 5381C
Plesch, P. H.
—; Austin, J. C.: Some Effects of the Initiator on the Cationic Polymerization of Alkenes , 4265C
Podešva, J.
—; Hrubý, M.; Spěváček, J.; Hrdličková, M.; Netopilík, M.: A New Chemical Modification of Liquid Polybutadienes: Radical Addition of Aliphatic Aldehydes Onto Pending Vinyl Groups, 3919C
Poe, S. L. See Kobašlija, M., 2309C
Pohl, M. See Heinze, T., 3853C
Pojman, J. A. See Nason, C., 8091C
Pojman, J. A. See Zhou, H., 3766C
Pomposo, J. A. See Pozo-Gonzalo, C., 3150C
Popielarz, R.
—; Vogt, O.: Effect of Coinitiator Type on Initiation Efficiency of Two-Component Photoinitiator Systems Based on Eosin, 3519C
Popov, A. V. See Coelho, Jorge F. J., 421C, 6542C
Pöppler, A.-C. See Boschmann, D., 7280C
Portale, G. See Jansen, M. A. G., 1203C
Portnaya, I. See Shpigelman, A., 2307P
Potrekar, R. See Kulkarni, M., 5776C
Pötschke, P. See Bose, S., 1619P
Pouchan, C. See Ouhib, F., 7505C
Pound, G.
—; Eksteen, Z.; Pfukwa, R.; Mckenzie, J. M.; Lange, Ronald F. M.; Klumperman, B.: Unexpected Reactions Associated with the Xanthate-mediated Polymerization of *n*-vinylpyrrolidone, 6575C
Powell, C. See Duthie, X., 1879P
Pozo-Gonzalo, C.
—; Marcilla, R.; Salsamendi, M.; Mecerreyes, D.; Pomposo, Jose A.; Rodríguez, J.; Bolink, Henk J.: PEDOT:Poly(1-Vinyl-3-Ethylimidazolium) Dispersions as Alternative Materials for Optoelectronic Devices, 3150C
Prabhakaran, T.
—; Hemalatha, J.: Synthesis and Characterization of Magnetoelectric Polymer Nanocomposites, 2418P
Prado, L. A. S. A. See Ghislandi, M., 3326C
Prata, J. V. See Costa, Alexandra I., 6477C
Preston, J. See Ferreiro, J. J., 7566C
Pretula, J.
—; Kaluzynski, K.; Wisniewski, B.; Szymanski, R.; Loontjens, T.; Penczek, S.: Formation of Poly(ethylene Phosphates) in Polycondensation of H_3PO_4 with Ethylene Glycol. Kinetic and Mechanistic Study, 830C
Previtali, C. M. See Gómez, M. L., 289P
Pricl, S. See Mensitieri, G., 8P
Princi, E. See Vicini, S., 791P
Pron, A. See John, A., 1051C
Pu, H. See Wan, D., 3756C
Pugh, C.
—; Kasko, Andrea M.; Grunwald, Steven R.: The Effect of the Core on the Thermotropic Behavior of Three-Arm Star Poly[11-(4′-Cyanophenyl-4″-Phenoxy)undecyl Acrylate]s Synthesized by Atom

Transfer Radical Polymerization, 4363C
Puiggalí, J. See Vera, M., 661C
Puiggalí, J. See Gestí, S., 2234P; Martínez-palau, M., 121P
Puskas, J. E. See Heidenreich, A. J., 7621C
Puskas, J. E. See Kunal, K., 1390P
Puskas, J. E.
—; Sen, Mustafa Y.; Kasper, Joseph R.: Green Polymer Chemistry: Telechelic Poly (ethylene Glycol)s Via Enzymatic Catalysis, 3024C
Puskas, J. E. See Soytaş, S. H., 3611C
Pyun, J. See Benkoski, J. J., 2267P

Qi, G.-R. See Sun, X.-K., 3128C
Qian, C. See Gao, M.-L., 2807C; Xie, G., 211C
Qian, Z.
—; Minnikanti, V. S.; Archer, L. A.: Surface Segregation of Highly Branched Polymer Additives in Linear Hosts, 1788P
—; Zhang, Z.; Li, H.; Liu, H.; Hu, Z.: Facile Preparation of Monodisperse Hollow Cross-Linked Chitosan Microspheres, 228C
Qiao, G. See Duthie, X., 1879P
Qiao, G. G. See Spiniello, M., 2422C
Qiao, L. See Liu, L., 3193C
Qiao, Y. See Lin, X., 7809C
Qin, A. See Zeng, Q., 8070C
Qin, J. See Zou, L., 702C
Qin, J. See Li, Z., 2983C; Zeng, Q., 8070C
Qin, Z. See Ma, C., 2637P
Qiu, J.
—; Xu, D.; Zhao, J.; Niu, Y.; Wang, Z.: New Insights into the Multiple Melting Behaviors of the Semicrystalline Ethylene-hexene Copolymer: Origins of Quintuple Melting Peaks, 2100P
Qiu, S. See Wang, B., 3120C
Qiu, X.-P. See Segui, F., 314C
Qiu, Z. See Chen, Y.-Y., 3207C; Zhu, X., 5214C
Quémener, D.
—; Hellaye, M. L.; Bissett, C.; Davis, T. P.; Barner-kowollik, C.; Stenzel, M. H.: Graft Block Copolymers of Propargyl Methacrylate and Vinyl Acetate Via a Combination of RAFT/MADIX and Click Chemistry: Reaction Analysis, 155C
Qu, J.
—; Zhou, W.; Wei, W.; Su, Z.; Ma, G.: Chemical Modification and Characterization of Gigaporous Polystyrene Microspheres as Rapid Separation of Proteins Base Supports, 5794C
—; Huang, G.; Wang, Q.; Xie, Z.: Effect of Diphenylsiloxane Unit Content on Aggregation Structure of Poly(Dimethylsiloxane-*Co*-Diphenylsiloxane), 72P
—; Xie, Z.; Huang, G.; Tang, Z.: Effect of Diphenylsiloxane Unit Content on Relaxation Behavior of Poly(dimethylsiloxane-*co*-Diphenylsiloxane), 1652P
Qu, R. See Hou, C., 2701C
Qu, X. See Zhang, Q., 1243P
Quan, C.-Y. See Chang, C., 3048C
Quijada, R. See Vanegas, Ma. Eulalia, 798P

Rabe, M. See Brueckner, T., 6435C
Rabon, Jr., J. A. See Marks, M. J., 1632P
Racoma, Ira O. See Shin, J., 3533C
Radchenko, A. V.
—; Kostjuk, S. V.; Vasilenko, I. V.; Ganachaud, F.; Kaputsky, F. N.; Guillaneuf, Y.: Kinetic Study on the Living/Controlled Cationic Polymerization of *p*-Methoxystyrene Coinitiated by Tris(pentafluorophenyl) Borane, 6928C
Radchenko, A. V. See Kostjuk, S. V., 4734C
Radhakrishnan, S.
—; Somanathan, N.; Narasimhaswamy, T.: Structure–Property Studies and Orientation Effects of Polythiophenes Containing Mesogenic Side Chains, 1463P
Radic, D. See Sanchis, M. J., 109P
Rahman, M. M. See Czaun, M., 6664C
Rahmani, M. See Bokobza, L., 1939P
Raj, B. See Sivanantham, M., 710P
Ramaraj, B. See Lee, H. J., 1178C
Ramasundaram, S.
—; Yoon, S.; Kim, K. J.; Park, C.: Preferential Formation of Electroactive Crystalline Phases in Poly(vinylidene fluoride)/Organically Modified silicate Nanocomposites, 2173P
Ramis, X. See González, L., 1229C, 3088C
Ramon, O. See Shpigelman, A., 2307P
Ramos-Devalle, L. F. See Patiño-Soto, A. P., 190P
Rao, V. S.
—; Samui, A. B.: Effect of Molecular Architecture and Size of Mesogen on Phase Behavior and Photoactive Properties of Photoactive Liquid Crystalline Hyperbranched Polyester Epoxies Containing Benzylidene Moiety, 552C
Ran, R. See He, J., 3140C
Ranucci, E. See Baldoli, C., 1683C; Bencini, M., 1607C
Rao, D.-Y. See Li, B., 6102C
Rao, V. Srinivasa
—; Samui, A. B.: Molecular Engineering of Photoactive Liquid Crystalline Polyester Epoxies Containing Benzylidene Moiety, 7637C
Räsänen, M. See Andersson, T., 547P
Rashkov, I. See Mespouille, L., 4997C; Mincheva, R., 6712C
Ratto, A. See Hoyos, M., 1301P
Rawal, A.
—; Fang, X.-W.; Urman, K.; Iverson, D.; Otaigbe, J. U.; Schmidt-rohr, K.: Promotion of the γ-Phase of Polyamide 6 in Its Nanocomposite with Phosphate Glass, 857P
Rawlston, J. A.
—; Guo, J.; Schork, F. Joseph; Grover, M. A.: A Kinetic Monte Carlo Study on the Nucleation Mechanisms of Oil-soluble Initiators in the miniemulsion Polymerization of Styrene, 6114C
Rebrov, Evgenij A. See Muzafarov, Aziz M., 4935C
Reddy, B. S. R. See Kamakshi, R., 1521C
Rédrová, D. See Svoboda, J., 2776C

Rei, M. F. See Veleirinho, B., 460P
Reifferscheid, M. See Gindl, W., 297P
Reina, J. A. See Andreu, R., 3353C, 6091C
Reinhard, M. T. See So, Y., 2799C
Reis, A. V.
—; Guilherme, Marcos R.; Moia, Thais A.; C. Mattoso, Luiz H.; Muniz, E. C.; Tambourgi, Elias B.: Synthesis and Characterization of a Starch-Modified Hydrogel as Potential Carrier for Drug Delivery System, 2567C
Ren, C. See Li, J., 1240C
Ren, H. See Zhao, Q., 2222C
Ren, S. See Du, J., 1376C; Sun, J., 5616C
Ren, W.-M. See Li, B., 6102C
Renner, M. See Erichsen, J., 1991P
Renterghem, L. V. See Dervaux, B., 1649C
Repo, T. See Aitola, E., 373C
Repoley, A. See Liu, C., 7268C
Resnati, G. See Coluccini, C., 5202C
Retsos, H. See Chrissopoulou, K., 2683P
Ribour, D.
—; Monteil, V.; Spitz, R.: Detitanation of $MgCl_2$-Supported Ziegler-Natta Catalysts for the Study of Active Sites Organization, 5461C
Ricciardi, R. See Napoli, M., 1476C
Richardson, T. H. See Holder, S. J., 7739C
Rider, D. A. See Chan-Seng, D., 625C
Righetti, P. See Coluccini, C., 5202C
Río, C. d. See Navarro, A., 1684P
Ritz, P.
—; Látalová, P.; Kříž, J.; Genzer, J.; Vlček, P.: Statistical Copolymers of 2-(Trimethylsilyloxy)ethyl Methacrylate and Methyl Methacrylate Synthesized by ATRP, 1919C
Rivaton, A. See
Roberts, G. W. See Kim, J., 4959C
Robin, J.-J. See Colomines, G., 433C
Rocha, Z. N. D. See Fim, F. D. C., 3830C
Rodríguez, J. See Pozo-Gonzalo, C., 3150C
Rodriguez-Perez, M. A. See Alvarez-Lainez, M., 212P
Roeder, R. D. See Evanoff, Jr., D. D., 7882C
Rogulska, M. See Kultys, A., 1770C
Rojas, R. See Carone, C. L. P., 54C
Roland, C. M. See Kaminski, K., 3795C
Roland, C. M. See Kunal, K., 1390P
Ronda, J. C. See Andreu, R., 3353C, 6091C; Montero de Espinosa, L., 6843C; Spontón, M., 7162C
Roots, J. See Krumme, A., 1577P
Rosen, B. M.
—; Percec, V.: Implications of Monomer and Initiator Structure on the Dissociative Electron-Transfer Step of SET-LRP, 5663C
Rossi, N. A. A.
—; Jadhav, V.; Lai, Benjamin F. L.; Maiti, S.; Kizhakkedathu, Jayachandran N.: Stimuli-Responsive Cationic Terpolymers by RAFT Polymerization: Synthesis, Characterization, and Protein Interaction Studies, 4021C
Rossin, R. See Zhang, K., 7578C
Roth, C. B. See Kim, S., 2754P; Sandoval, R. W., 2672P
Rotzoll, R.
—; Vana, P.: Synthesis of Poly(methyl acrylate) Loops Grafted onto Silica Nanoparticles via Reversible Addition-Fragmentation Chain Transfer Polymerization, 7656C
Rousseau, A. See Jéol, S., 3985C
Rousseaux, D. D. J. See Henry, G. R. P., 2936C
Rozik, N. N. See Ikladious, Nawal E., 5568C
Ruehl, J.
—; Ningnuek, N.; Thongpaisanwong, T.; Braslau, R.: Cyclic Alkoxyamines for Nitroxide-Mediated Radical Polymerization, 8049C
Ruinet, F. P. See Love, B. J., 2319P
Ruisánchez, I. See Spegazzini, N., 3886C
Ruiz, C.
—; Sánchez-Chaves, M.; Cerrada, M. L.; Fernández-García, M.: Glycopolymers Resulting From Ethylene–Vinyl Alcohol Copolymers: Synthetic Approach, Characterization, and Interactions with Lectins, 7238C
Russell, T. P. See Fustin, C., 4719C
Rutledge, K. E. See Goh, S. L., 5381C
Ruttens, B. See Mens, R., 138C
Ryabov, A. D. See Camacho, F. D., 4193C
Ryu, T. I. See Park, J. S., 6175C

Sá, D. S. See Fim, F. D. C., 3830C
Sabard, M. See Olivier, L., 1734P
Sabharwal, K. N. See Sivanantham, M., 710P
Sabri, F. See Katritzky, A. R., 238C
Sacchi, M. C. See Menichetti, S., 6393C
Sadeghi, F.
—; Ajji, A.; Carreau, P. J.: Microporous Membranes Obtained From Polypropylene Blends with Superior Permeability Properties, 148P
Saegusa, Y. See Morikawa, H., 8206C
Sage, D. See Clémenson, S., 2062C
Saiki, M. See Morikawa, H., 8206C
Saikia, P. J.
—; Lee, J. M.; Lee, K.; Choe, S.: Reaction Parameters in the RAFT Mediated Dispersion Polymerization of Styrene, 872C
Sairam, T. N. See Sivanantham, M., 710P
Sakaguchi, T. See Hashimoto, T., 1629C, 1902C
Sakai, K. See Akimoto, J., 7127C
Sakai, R. See Nishizawa, O., 7411C
Sakai, T. See Kawatsuki, N., 4712C
Sakdapipanich, J. See Toki, S., 2456P
Sakurai, K. See Shimada, N., 1440C
Salaün, F.
—; Vroman, I.; Bedek, G.; Lewandowski, M.: Effects of Microparticles on Isotactic Polypropylene: Thermomechanical and Thermal Properties, 2566P
Salgueiro, M. See Menner, A., 5708C
Salla, J. M. See González, L., 1229C, 3088C

Salsamendi, M. See Pozo-Gonzalo, C., 3150C
Samakande, A.
—; Sanderson, R. D.; Hartmann, P. C.: Encapsulated Clay Particles in Polystyrene by RAFT Mediated Miniemulsion Polymerization, 7114C
Samui, A. B. See Rao, V. S., 7637C; Rao, V. S., 552C
Sánchez-Chaves, M. See Ruiz, C., 7238C
Sánchez-Valdes, S. See Medellín-Rodríguez, F. J., 2188P
Sanchez-Valdes, S. See Patiño-soto, A. P., 190P
Sanchis, M. J.
—; Díaz-Calleja, R.; García-Bernabé, A.; Alegría, L.; Gargallo, L.; Radic, D.: Water Sorption by Poly(tetrahydrofurfuril Methacrylate)'s, 109P
Sanda, F. See Khan, F. Z., 2326C; Liu, R., 4175C, 4183C
Sanderson, R. D. See Samakande, A., 7114C
Sanderson, Ronald D. See van den Dungen, E. T. A., 2500C; Greesh, N., 3619C
Sandholzer, M.
—; Bichler, S.; Stelzer, F.; Slugovc, C.: UV-Induced Crosslinking of Ring Opening Metathesis Block Copolymer Micelles, 2402C
—; Fritz-Popovski, G.; Slugovc, C.: Synthesis and Self Assembly of Eosin Functionalized Amphiphilic Block-Random Copolymers Prepared by Ring Opening Metathesis Polymerization, 401C
—; Schuster, M.; Varga, F.; Liska, R.; Slugovc, C.: ROMP Based Photoinitiator-Coinitiator Systems with Improved Migration Stability, 3648C
Sandoval, R. W.
—; Williams, D. E.; Kim, J.; Roth, C. B.; Torkelson, J. M.: Critical Micelle Concentrations of Block and Gradient Copolymers in Homopolymer: Effects of Sequence Distribution, Composition, and Molecular Weight, 2672P
Sanjuan, S.
—; Tran, Y.: Synthesis of Random Polyampholyte Brushes by Atom Transfer Radical Polymerization, 4305C
Santare, M. H. See Kusoglu, A., 2404P
Santos, K. S.
—; Liberman, S. A.; Oviedo, M. A. S.; Mauler, R. S.: Polyolefin-Based Nanocomposite: the Effect of Organoclay Modifier, 2519P
Saraph, A. See Gujraty, K. V., 7249C
Saravanan, C.
—; Senthil, S.; Kannan, P.: Click Chemistry-Assisted Triazole-Substituted Azobenzene and Fulgimide Units in the Pendant-Based Copoly-(decyloxymethacrylate)s for Dual-Mode Optical Switches, 7843C
Saroop, M. See Khare, R. A., 2286P
Sasage, N. See Wei, G., 4218C
Sasaki, T.
—; Misu, M.; Shimada, T.; Teramoto, M.: Glass Transition and Its Characteristic Length for Thin Crosslinked Polystyrene Shells of Rodlike Capsules, 2116P
Satapathy, B. K. See Thunga, M., 329P
Sato, H. See Natori, I., 5223C
Sato, M.
—; Nakashima, A.; Sato, Y.; Yamaguchi, I.: Linear and A_2+B_3-Type Hyperbranched Polyesters Comprising Phenylbenzothiazole Unit: Preparation, Liquid Crystalline, and Optical Properties, 6688C
Sato, M. See Kudo, H., 7835C
Sato, T. See Hirano, T., 3145C, 4575C
Sato, Y. See Sato, M., 6688C
Satoh, K.
—; Aoshima, H.; Kamigaito, M.: Iron(III) Chloride/R-Cl/Tributylphosphine for Metal-Catalyzed Living Radical Polymerization: A Unique System with a Higher Oxidation State Iron Complex, 6358C
Satoh, T. See Nishizawa, O., 1185C, 7411C
Save, M. See Bernard, J., 2845C; Dupayage, L., 7606C
Savin, D. A. See Murphy, K. A., 244P
Sawamoto, M. See Uchiike, C., 6819C
Saxena, A. See Fujiki, M., 4637C
Sayama, W. See Niwa, Y., 692C
Scamporrino, E. See Vitalini, D., 2145C
Schöbitz, M. See Heinze, T., 3853C
Schacht, E. See Lemmouchi, Y., 5348C, 5363C
Scherer, G. G. See Mortensen, K., 1660P
Scherf, U. See Bünnagel, T. W., 7342C; Bonifácio, Vasco D. B., 2878C
Scherzer, T.
—; Knolle, W.; Naumov, S.; Elsner, C.; Buchmeiser, Michael R.: Self-Initiation of the UV Photopolymerization of Brominated Acrylates, 4905C
Schexnaydre, R. J.
—; Mitchell, B. S.: Solid State Blending of Poly(ethylene Terephthalate) with Polystyrene: Extent of PET Amorphization and Compositional Effects on Crystallizability, 1348P
Schick, C. See Krumme, A., 1577P
Schiffhauer, M. F. See Ionkin, A. S., 585C
Schirrer, R. See Charrault, E., 1337P
Schmidt-Naake, G. See Woecht, I., 1460C
Schmidt-Rohr, K. See Rawal, A., 857P
Schork, F. J. See Rawlston, J. A., 6114C
Schottler, K. See Bünnagel, T. W., 7342C
Schubert, T. See Stribeck, N., 721P
Schubert, U. S. See Becer, C. Remzi, 7138C; Fijten, Martin W. M., 4804C
Schubert, U. S. See Fustin, C., 4719C; Lobert, M., 5859C
Schulte, K. See Ghislandi, M., 3326C
Schuster, M. See Sandholzer, M., 3648C
Schwarz, G. See Buzin, P., 4777C; Kricheldorf, H. R., 6229C; Kricheldorf, Hans R., 4012C, 851C; Lahcini, M., 7483C
Scialdone, O. See Galia, A., 7429C; Giaconia, A., 257C
Sclavons, M. See Henry, G. R. P., 2936C
Seabrook, S. See Chougrani, K., 7972C
Sedláček, J. See Balcar, H., 2593C; Svoboda, J., 2776C

Seesukphronrarak, S.
—; Kawasaki, S.; Kobori, K.; Takata, T.: Fluorene-Rich High Performance Polyesters: Synthesis and Characterization of 9,9-Fluorenylidene and 2,7-Fluorenylene-Based Polyesters with Excellent Optical Property, 2549C
Segui, F.
—; Qiu, X.-P.; Winnik, F. M.: An Efficient Synthesis of Telechelic Poly (*N*-Isopropylacrylamides) and Its Application to the Preparation of α,ω-Dicholesteryl and α,ω-Dipyrenyl Polymers, 314C
Segura, J. L. See Martínez, G., 6722C
Seidl, B.
—; Kalinyaprak-icten, K.; Fuß, N.; Hoefer, M.; Liska, R.: Photoinitiators with Double and Triple Bonds, 289C
Seki, K. See Fujimori, A., 534P
Sekikawa, H. See Natori, I., 5223C
Sen, A. See Luo, R., 5499C
Sen, M. Y. See Puskas, J. E., 3024C
Seno, K.-I.
—; Tsujimoto, I.; Kanaoka, S.; Aoshima, S.: Synthesis of Various Stimuli-Responsive Gradient Copolymers by Living Cationic Polymerization and Their Thermally or Solvent Induced Association Behavior, 6444C
Seno, K.
—; Date, A.; Kanaoka, S.; Aoshima, S.: Synthesis and Solution Properties of Poly(vinyl Ether)s with Long Alkyl Chain, Biphenyl, and Cholesteryl Pendants, 4392C
—; Kanaoka, S.; Aoshima, S.: Synthesis and LCST-Type Phase Separation Behavior in Organic Solvents of Poly(vinyl Ethers) with Pendant Imidazolium Or Pyridinium Salts, 5724C
—; Kanaoka, S.; Aoshima, S.: Thermosensitive Diblock Copolymers with Designed Molecular Weight Distribution: Synthesis by Continuous Living Cationic Polymerization and Micellization Behavior, 2212C
—; Tsujimoto, I.; Kikuchi, T.; Kanaoka, S.; Aoshima, S.: Thermosensitive Gradient Copolymers by Living Cationic Polymerization: Semibatch Precision Synthesis and Stepwise Dehydration-induced Micellization and Physical Gelation, 6151C
Senthil, S. See Saravanan, C., 7843C
Sentmanat, M. See Delgadillo-velázquez, O., 1669P
Seo, D. W. See Park, H. S., 1792C
Serafini, D. See Vanegas, Ma. Eulalia, 798P
Serra, A. See González, L., 1229C, 3088C; Spegazzini, N., 3886C
Serrano, J. L. See Vera, F., 5528C
Setoguchi, C. See Suzuki, M., 353C
Seytre, G. See Ostaci, R.-V., 3367C
Shaffer, M. S. P. See Menner, A., 5708C
Shahi, V. See Shankar, R., 7816C
Shakesheff, K. M. See Pini, R., 483P
Shan, F. See Li, Z., 751P
Shan, G. See Yang, C., 203C
Shanbhag, S. See Iyer, Balaji V. S., 2370P
Shangguan, Y. See Hu, H., 1923P
Shankar, R.
—; Shahi, V.: Synthesis and Characterization of Functional Polysilanes $[RMe_2Si(CH_2)_x(Me)Si]_n$ (R = 2-Fu, 5-Me-2-Fu, 2-Th, 4-Me-2-Th; x = 2, 3) with Appended Furyl/Thienyl Groups on the Carbosilyl Side Chains and Their Application in the Generation and Stabilization of Palladium Nanoparticles, 7816C
Shanmugam, T.
—; Sivakumar, C.; Nasar, A. S.: Hydroxyl-Terminated Hyperbranched Aromatic Poly(ether-Ester)s: Synthesis, Characterization, End-Group Modification, and Optical Properties, 5414C
Shantarovich, V. P.
—; Positron Annihilation and Free Volume Studies in Polymer Glasses, 2485P
Shaoyun, G. See Ying, X., 938P
Sharma, A. L.
—; Shukla, N.; Thakur, A. K.: Studies on Structure Property Relationship in a Polymer–Clay Nanocomposite Film Based on $(PAN)_8LiClO_4$, 2577P
Sheen, Y.
—; Huang, Y.; Liao, C.; Chou, H.; Chang, F.: New Approach to Fabricate an Extremely Super-Amphiphobic Surface Based on Fluorinated Silica Nanoparticles, 1984P
Shemesh, R. See Chrissopoulou, K., 2683P
Shen, F. See Wang, B., 3120C
Shen, F. See Li, Y., 1105P
Shen, J.
—; Tsuchiya, K.; Ogino, K.: Synthesis and Characterization of Highly Fluorescent Polythiophene Derivatives Containing Polystyrene Sidearms, 1003C
Shen, J. See Xu, P., 2047P
Shen, Q. See Xie, J., 1140P
Shen, Z.-Q. See Gou, P.-F., 2108C, 6455C
Shen, Z. See Chen, F., 4050C; Feng, C., 5638C; Gu, L., 4056C; Lou, L., 1025C; Sun, L., 7173C; Wang, P., 1C, 7861C; Yang, J., 5123C
Shen, Z. See Li, X., 1589P
Sheng, X. See Mauldin, T. C., 6851C
Sheng, Y. See Ma, L., 33C
Shi, G.-Y.
—; Tang, X.-Z.; Pan, C.-Y.: Tadpole-Shaped Amphiphilic Copolymers Prepared Via RAFT Polymerization and Click Reaction, 2390C
Shi, G.-Y.
—; Yang, L.-P.; Pan, C.-Y.: Synthesis and Characterization of Well-defined Polystyrene and Poly(ε-Caprolactone) Hetero Eight-shaped Copolymers, 6496C
Shi, G.
—; Zou, P.; Pan, C.: Synthesis and Characterization of Asymmetric Centipede-Like Copolymers with Two Side Chains at Each Repeating Unit Via ATRP and Ring-Opening Polymerization, 5580C
Shi, G. See Su, X., 4529C; Yang, L., 6641C
Shi, H. See Gao, K., 4889C
Shi, L. See Li, J., 1240C; Wen, F., 1192C
Shi, Q. See Hu, X., 1852C

Shi, W. See Liu, J., 1449C, 7543C
Shi, W. See Xie, J., 1140P
Shi, Y.
—; Zhan, X.; Luo, Z.; Zhang, Q.; Chen, F.: Quantitative IR Characterization of Urea Groups in Waterborne Polyurethanes, 2433C
Shi, Y. See Fu, Z., 362C
Shi, Z. See Matsumura, S., 3860C
Shibaev, V.
—; Medvedev, A.; Bobrovsky, A.: Photochromic LC Copolymers Containing Azobenzene and Crown-ether Groups, 6532C
Shibahara, Y.
—; Akiyama, Y.; Izumi, Y.; Nishijima, S.; Honda, Y.; Kimura, N.; Tagawa, S.; Isoyama, G.: Analysis of Thermal Degradation Process of Nafion-117 with Age-Momentum Correlation Method, 1P
Shibasaki, Y. See Nunoshige, J., 5278C; Terraza, C. A., 1510C
Shigehara, K. See Noguchi, H., 5101C
Shih, Y. See Wu, T., 1207P
Shikata, T. See Urakawa, O., 2556P
Shim, H.-K. See Cho, H.-J., 979C; Jung, I. H., 7148C
Shim, H. See Jung, Young Kwan, 3573C
Shim, S. E. See Hong, J., 2884C
Shimada, N.
—; Okobira, T.; Takeda, Y.; Shinkai, S.; Sakurai, K.: Polysaccharide-Templated Twisted Assemble of 2-Anilinonaphthalene-6-Sulfonic Acid, 1440C
Shimada, T. See Sasaki, T., 2116P
Shimizu, H. See Kaito, A., 1376P
Shimizu, S. See Danno, T., 558P
Shimizu, T.
—; Hayakawa, T.; Sogabe, T.; Ichikawa, T.: Construction of Polymer Skeletons with Radiation-Scissile Groups at Predetermined Sites, 1945C
Shimizu, T.
—; Self-Assembled Organic Nanotubes: Toward Attoliter Chemistry, 2601C
Shimizu, Y. See Kimura, K., 1598C
Shin, I. A. See Park, J. S., 6175C; Yoon, K.-J., 6762C
Shin, J.
—; Chang, Andrew Y.; Brownell, Lacie V.; Racoma, Ira O.; Ozawa, Coreen H.; Chung, H.; Peng, S.; Bae, C.: Hydrophilic Graft Modification of a Commercial Crystalline Polyolefin, 3533C
Shin, K.-M.
—; Dong, T.; Yazawa, K.; Im, S.-S.; Inoue, Y.: Solvent-Dependent Formation of Inclusion Complexes Between Methylated Cyclodextrins and Biodegradable Polymers, 879P
Shin, K. See Park, S. C., 8041C
Shinkai, S. See Shimada, N., 1440C
Shinohara, Y. See Akiyama, Y., 5471C
Shintay, S. See Du, J., 1611P
Shiomori, K. See Yoshida, M., 1749C
Shiono, T. See Ban, Hoang The, 7395C; Hagihara, H., 1738C; Nishihara, Y., 3314C
Shiotsuki, M. See Khan, F. Z., 2326C
Shipp, D. A. See Pavlović, D., 7033C; Petruczok, C. D., 7200C
Shirai, H. See Suzuki, M., 353C
Shpigelman, A.
—; Portnaya, I.; Ramon, O.; Livney, Y. D.: Saccharide-Structure Effects on Poly *n*-Isopropylacrylamide Phase Transition in Aqueous Media; Reflections on Protein Stability, 2307P
Shreeve, J. M. See Xue, H., 2414C
Shuai, X. See Yuan, R., 782P
Shukla, N. See Sharma, A. L., 2577P
Shuster, M. See Perkas, N., 1719C
Si, S. See Kotal, A., 1111C
Siegel, R. A. See Mujumdar, S. K., 6630C
Sierra, T. See Vera, F., 5528C
Sijbesma, R. P. See Botterhuis, Nicole E., 3877C
Sikora, A. See Kratochvíl, J., 311P
Silverstein, M. S. See Normatov, J., 2357C
Simokaitiene, J. See González, L., 3088C; Tomkeviciene, A., 4674C
Simon, S. L. See Koh, Y. P., 2741P; Li, Q., 2719P; Zheng, W., 418P
Simpson, C. P. See Asandei, Alexandru D., 2869C
Simpson, N. See Nilsson, C., 1339C
Sinananwanich, W.
—; Ueda, M.: Synthesis of a Hyperbranched Polythioketal with 100% Degree of Branching, 2689C
Singh, G. See Kaur, S., 7299C
Singh, S. K. See Katritzky, A. R., 238C
Singha, N. K. See Biswas, A., 8023C; Datta, H., 3499C; Kavitha, A. Amalin, 7101C
Singha, N. K. See Datta, H., 5014C
Sisson, K. See Unal, S., 6285C
Sivakumar, C. See Shanmugam, T., 5414C
Sivanantham, M.
—; Kesavamoorthy, R.; Sairam, T. N.; Sabharwal, K. N.; Raj, B.: Stimulus Response and Molecular Structural Modification of Polyacrylamide Gel in Nitric Acid: A Study by Raman, FTIR, and Photoluminescence Techniques, 710P
Sivaram, S. See Dhara, M. G., 2132C
Six, J.-L. See Dupayage, L., 7606C
Skey, J.
—; O'reilly, Rachel K.: Synthesis of Chiral Micelles and Nanoparticles From Amino Acid Based Monomers Using RAFT Polymerization, 3690C
Slugovc, C. See Burtscher, D., 4630C; Sandholzer, M., 2402C, 3648C, 401C
Smeets, N. M. B.
—; Heuts, Johan P. A.; Meuldijk, J.; Van Herk, A. M.: Effect of Catalyst Partitioning in Co(II) Mediated Catalytic Chain Transfer Miniemulsion Polymerization of Methyl Methacrylate, 5839C
Smirnov, N. N. See Nikonorova, N. A., 1488P
Smith, J. R. See Thakur, S., 6016C
Smith, R. L. See Chen, J., 3482C
So, Y.
—; Hahn, Stephen F.; Li, Y.; Reinhard, Molly T.: Styrene 4-Vinylbenzocyclobutene Copolymer for Microelectronic Applications, 2799C
Soares, B. G. See Paranhos, C. M., 2618P
Soccio, M.
—; Lotti, N.; Finelli, L.; Gazzano, M.; Munari, A.: Neopenthyl Glycol Containing

Poly(propylene Terephthalate)s: Structure–Properties Relationships, 170P
—; Lotti, N.; Finelli, L.; Munari, A.: Crystallization Behavior and Morphology of Poly(propylene Terephthalate) Copolymers Containing Neopenthyl Glycol Moieties, 818P
Sogabe, T. See Shimizu, T., 1945C
Sokolov, A. P. See Kunal, K., 1390P
Solar, L.
—; Nohales, A.; Muñoz-Espí, R.; López, D.; Gómez, C. M.: Viscoelastic Behavior of Epoxy Prepolymer/Organophilic Montmorillonite Dispersions, 1837P
Solaro, R.
—; Targeted Delivery of Proteins by Nanosized Carriers, 1C
Solaro, R. See Cerbai, B., 2459C
Somanathan, N. See Radhakrishnan, S., 1463P
Somma, E. See Nobile, M. R., 1167P
Son, G. W. See Bahuleyan, B. K., 1066C
Son, S. See Chung, J. W., 989P
Song, B. See Bai, H., 577P
Song, C. See Yang, Q., 2465P
Song, G. See Zhou, C., 3563C
Song, H.
—; Lee, S. C.; Heo, H. Y.; Kim, D. I.; Lee, D.; Lee, J. H.; Chang, J. Y.: Improvement of Thermal Stability of Sulfonated Polyphosphazenes by Introducing a Self-Crosslinkable Group, 5850C
Song, K. See Huang, Z., 1618C
Song, M. See Park, J. S., 6175C; Yoon, K.-J., 6762C
Song, S. See Jin, Y., 4407C; Li, G., 5028C
Song, S. See Ahn, S., 2022P
Song, Y. See Su, X., 4529C
Soper, P. D. See Ionkin, A. S., 585C
Soppera, O.
—; Jradi, S.; Lougnot, Daniel J.: Photopolymerization with Microscale Resolution: Influence of the Physico-Chemical and Photonic Parameters, 3783C
Sörensen, N. See Boschmann, D., 7280C
Sosnowski, S.
—; Selective Cleavage of Acetal Bonds in Copolymers with Polylactide Block, 6978C
Soules, A.
—; Vázquez, C. P.; Améduri, B.; Joly-duhamel, C.; Essahli, M.; Boutevin, B.: Use of Fluorinated Maleimide and Telechelic Bismaleimide for Original Hydrophobic and Oleophobic Polymerized Networks, 3214C
Soulié-Ziakovic, C. See Montarnal, D., 7925C
Soytaş, S. H.
—; Puskas, Judit E.; Kulbaba, K.: *Real-Time* FTIR Monitoring of the Mechanism of Initiation of Isobutylene Polymerizations by Epoxide/Lewis Acid Systems, 3611C
Spěváček, J. See Podešva, J., 3919C
Spegazzini, N.
—; Ruisánchez, I.; Larrechi, M. S.; Serra, A.; Mantecón, A.: Two-Dimensional Fourier Transform Infrared Correlation Spectroscopy and Evolving Factor Analysis in the Study of Cationic Curing of DGEBa and γ-Valerolactone Mixtures, 3886C
Spence, R. E. See Ionkin, A. S., 585C
Spiliopoulos, I. K. See Karastatiris, P., 2367C
Spina, E. See Vitalini, D., 2145C
Spiniello, M.
—; Blencowe, A.; Qiao, Greg G.: Synthesis and Characterization of Fluorescently Labeled Core Cross-Linked Star Polymers, 2422C
Špírková, M. See Vlček, P., 564C
Spitz, R. See Ribour, D., 5461C
Šponarová, D.
—; Horák, D.: Poly(*N*,*N*-Diethylacrylamide) Microspheres by Dispersion Polymerization, 6263C
Spontón, M.
—; Larrechi, M. S.; Ronda, J. C.; Galià, M.; Cádiz, V.: Synthesis and Study of the Thermal Crosslinking of Bis(*m*-aminophenyl) Methylphosphine Oxide based Benzoxazine, 7162C
Srebnik, S.
—; Physical Association of Polymers with Nanotubes, 2711P
Stagnaro, P. See Leone, G., 5390C; Menichetti, S., 6393C
Stagnaro, P. See Li, L., 506P
Stansbury, J. W. See Johnson, P. M., 1502C
Stansbury, J. W. See Kilambi, H., 3452C
Starý, Z.
—; Münstedt, H.: Morphology Development in PS/LLDPE Blend During and After Elongational Deformation, 16P
Staudinger, U. See Thunga, M., 329P
Stayshich, R. M.
—; Meyer, Tara Y.: Preparation and Microstructural Analysis of Poly(lactic-*alt*-Glycolic Acid), 4704C
Steig, S. See Knoop, Rutger J. I., 3068C
Stelzer, F. See Sandholzer, M., 2402C
Stelzig, S. H.
—; Tamm, M.; Waymouth, R. M.: Copolymerization Behavior of Titanium Imidazolin-2-iminato Complexes, 6064C
Stenzel, M. H. See Quémener, D., 155C
Stenzel, M. H. See Hellaye, M. L., 3058C
Sternstein, S. S. See Amanuel, S., 2733P
Stevens, G. See Duthie, X., 1879P
Stevens, M. M. See Tang, M., 4352C
Stiriba, S.-E. See Barriau, E., 2049C
Storey, R. F. See Kemp, Lisa K., 3229C
Storti, G. See Pini, R., 483P
Strandman, S. See Kul, D., 650C
Streletzky, K. A.
—; Mckenna, J. T.; Mohieddine, R.: Spectral Time Moment Analysis of Microgel Structure and Dynamics, 771P
Stribeck, N.
—; Nöchel, U.; Funari, S. S.; Schubert, T.: Tensile Tests of Polypropylene Monitored by SAXS. Comparing the Stretch-Hold Technique to the Dynamic Technique, 721P
Strumia, M. C. See Gomez, Cesar G., 2557C
Su, J.
—; Zhang, L.: Phase Behavior of a Single Polyethylene Chain

Confined Between Two Adsorption Walls, 370P
Su, W. C. See Lin, C. H., 7898C
Su, W. See Dai, C., 2536C
Su, W. C. See Lin, C. H., 4970C
Su, X.
—; Xu, H.; Guo, Q.; Shi, G.; Yang, J.; Song, Y.; Liu, X.: Stilbene-Containing Polyactylenes: Molecular Design, Synthesis, and Relationship Between Molecular Structure and NLO Properties, 4529C
Su, Z. See Miao, S., 4243C; Qu, J., 5794C
Su, Z. See Dong, M., 1183P, 1725P; Lin, Y., 1252P
Subianto, S.
—; Choudhury, N. R.; Dutta, Naba K.: Palladium-Catalyzed Phosphonation of SEBS Block Copolymer, 5431C
Suda, K.
—; Akagi, K.: Electro-Optical Behavior of Ferroelectric Liquid Crystalline Polyphenylene Derivatives, 3591C
Sudhakar, P.
—; Appreciable Norbornene Incorporation in the Copolymerization of Ethylene/Norbornene Using Titanium Catalysts Containing Trianionic $N[CH_2CH(Ph)O]_3^{3-}$ Ligands , 444C
Sudo, A.
—; Motokucho, S.; Endo, T.: A New Series of Cyclic 5-Membered Dithiocarbonates Having Urethane Tether: Application as an Adhesion Promoter to Epoxy-Amine Curing System, 2588C
—; Uenishi, K.; Endo, T.: Anionic Copolymerization of Epoxide with Bifunctional Aromatic Lactone Derived From 2-Methylresorcinol, 3447C
Sudo, A. See Eguchi, T., 6654C; Isobe, Y., 2305C; Kamei, Y., 2525C, 2649C; Nagai, A., 2316C; Nagai, D., 1990C; Uenishi, K., 4092C; Zhang, Y., 1907C
Sudol, E. D. See Jiang, S., 3638C
Sugie, K. See Takemura, T., 2250C
Sugihara, S.
—; Tanabe, Y.; Kitagawa, M.; Ikeda, I.: Facile Metal-Free Living Cationic Polymerization of Various Vinyl Ethers by Hydrogen Chloride with Ether, 1913C
Suh, H. See Jin, Y., 4407C
Suh, K. S. See Kim, T. Y., 6872C
Suh, K.-D. See Kim, B.-S., 1058C
Sukhanova, T. E. See Karabanova, L. V., 1696P
Suknuntha, K.
—; Tantishaiyakul, V.; Vao-Soongnern, V.; Espidel, Y.; Cos-Grove, T.: Molecular Modeling Simulation and Experimental Measurements to Characterize Chitosan and Poly(vinyl Pyrrolidone) Blend Interactions, 1258P
Sumela, M. See Andersson, T., 547P
Sumerlin, B. S. See Li, M., 5093C
Sun, B.-W. See Zhang, H.-H., 8131C
Sun, C. See Hou, C., 2701C
Sun, G. See Ma, J., 3488C; Ma, X., 1758C
Sun, G. See Hong, K. H., 2423P; Wang, Y., 1114P
Sun, J.
—; Cheng, J.; Zhu, W.; Ren, S.; Zhong, H.; Zeng, D.; Du, J.; Xu, E.; Liu, Y.; Fang, Q.: An X-Shaped π-Conjugated Polymer Comprising of Fluorene Units and Anthracene Units with High Efficiency. Synthesis and Optical and Electrochemical Properties, 5616C
Sun, J. See Du, J., 1376C; Zhao, Q., 2222C, 6594C
Sun, L.
—; Wang, P.; Jin, H.; Fan, X.; Shen, Z.; Chen, X.; Zhou, Q.-F.: Novel Mesogen-Jacketed Poly(*p*-phenylenevinylene) Derivatives Bearing Oxadiazole Pendants: Design, Synthesis, and Optoelectronic Properties, 7173C
Sun, M.
—; Jiang, X.; Wang, L.; He, C.; Du, B.; Yang, R.; Cao, Y.: Near-Infrared Electroluminescence From Fluorene-Based Copolymers, 3007C
Sun, M. See Fu, Y., 1349C; Xiao, X., 574C
Sun, W.
—; Yu, F.; He, J.; Zhang, C.; Yang, Y.: Synthesis and Solution Properties of Well-Defined Comb-On-Comb Graft Polymers, 5518C
Sun, W. See He, X., 4442C; Liu, S., 3411C; Lou, L., 1025C; Yang, J., 5123C; Zuo, W., 3396C
Sun, X.-K.
—; Zhang, X.-H.; Liu, F.; Chen, S.; Du, B.-Y.; Wang, Q.; Fan, Z.-Q.; Qi, G.-R.: Alternating Copolymerization of Carbon Dioxide and Cyclohexene Oxide Catalyzed by Silicon Dioxide/Zn—Co^{III} Double Metal Cyanide Complex Hybrid Catalysts with a Nanolamellar Structure, 3128C
Sun, X.-L.
—; He, W.-D.; Li, J.; He, N.; Han, S.-C.; Li, L.-Y.: Preparation of Polypyrrole-*graft*-poly(*n*-isopropylacrylamide)/Silver Nanocomposites From Pyrrolyl-Capped Macromonomer by $AgNO_3$ and Their Stimuli Responsibility of Light Emission, 6950C
Sun, X.-L. See Gao, M.-L., 2807C
Sun, Z. See Li, H., 452P
Sundararaj, U. See Gelves, G. A., 2064P
Sung, C. S. P. See Kim, T. Y., 6872C
Suranna, G. P. See Grisorio, R., 6051C
Suriano, F.
—; Coulembier, O.; Degée, P.; Dubois, P.: Carbohydrate-Based Amphiphilic Diblock Copolymers: Synthesis, Characterization, and Aqueous Properties, 3662C
Suter, U. W. See Govaert, L. E., 2475P
Sutherland, T. C. See Durben, S., 8179C
Suzuki, M.
—; Yanagida, R.; Setoguchi, C.; Shirai, H.; Hanabusa, K.: New Polymer Organogelators with L-Isoleucine and L-Valine as a Gelation-Causing Segment: Organogelation by a Combination of Supramolecular Polymer and Conventional Polymer, 353C
Svoboda, J.
—; Sedláček, J.; Zedník, J.; Dvořáková, G.; Trhlíková, O.; Rédrová, D.; Balcar, H.; Vohlídal, J.: Polymerization of 3-Ethynylthiophene with Homogeneous and

Heterogeneous Rh Catalysts, 2776C
Svyatyna, A. V. See Karabanova, L. V., 1696P
Swierenga, E. See Vlasveld, Daniel P. N., 1914P
Swinnen, A. See Mens, R., 138C
Szymanski, R. See Pretula, J., 830C

Tagawa, S. See Shibahara, Y., 1P
Tagaya, N. See Naga, N., 4513C
Tai, H. See Pini, R., 483P
Tait, P. J. T. See Awudza, Johannes A. M., 267C
Takafuji, M. See Czaun, M., 6664C
Takagi, K.
—; Nakagawa, T.; Takao, H.: Synthesis of Carbazole-Based Light-Emitting Polymers Incorporating 2,5-Bis(phenylethenyl)-4-decyloxyanisole as Collateral Fluorophore, 8141C
Takagi, K. See Nishihara, Y., 3314C, 7913C
Takahashi, T. See Okuzaki, H., 305P
Takaku, R. See Yonezumi, M., 2202C
Takamatsu, S. See Tenma, M., 41P
Takamiya, I.
—; Yamashita, M.; Murotani, E.; Morizawa, Y.; Nozaki, K.: Polymerization of Norbornene with a Pendent Sulfonyl Fluoride Group Catalyzed by Palladium Complex Bearing $^tBu_3P$ Ligand, 5133C
Takano, N. See Yonezumi, M., 6746C
Takao, H. See Takagi, K., 8141C
Takasu, A.
—; Oshimura, M.; Hirabayashi, T.: Controlled Ring-Opening Polymerization of ε -Caprolactone Using Polymer-Supported Scandium Catalyst, 2300C
Takata, T. See Seesukphronrarak, S., 2549C
Takatsuka, H. See Kawatsuki, N., 4712C
Takeda, Y. See Shimada, N., 1440C
Takei, T. See Yoshida, M., 1749C
Takemura, T.
—; Sugie, K.; Nishino, H.; Kawabata, S.; Koizumi, T.: Pd(0)-Catalyzed Polycondensation of Methyl Propargyl Carbonate and Bisphenols Under Stoichiometrically Imbalanced Conditions, 2250C
Takizawa, K.
—; Nulwala, H.; Hu, J.; Yoshinaga, K.; Hawker, C. J.: Molecularly Defined (L)-lactic Acid Oligomers and Polymers: Synthesis and Characterization, 5977C
—; Nulwala, H.; Thibault, Raymond J.; Lowenhielm, P.; Yoshinaga, K.; Wooley, Karen L.; Hawker, Craig J.: Facile Syntheses of 4-Vinyl-1,2,3-Triazole Monomers by Click Azide/Acetylene Coupling, 2897C
Tala, S. R. See Katritzky, A. R., 238C
Tamai, T.
—; Watanabe, M.; Maeda, H.; Mizuno, K.: Fluorescent Polymer Particles Incorporating Pyrene Derivatives, 1470C
Tambourgi, E. B. See Reis, Adriano V., 2567C
Tamm, M. See Stelzig, S. H., 6064C
Tan, B. H. See Hussain, H., 5604C, 7287C
Tan, L.-S. See Ahn, S.-N., 7473C
Tan, L. See Jeon, I., 3471C; Jeong, J., 6041C
Tan, T. See Zhao, Y., 4927C
Tan, Y. See Huang, X., 5999C
Tan, Z. See Huo, L., 4038C
Tanabe, Y. See Sugihara, S., 1913C
Tanaka, M. See Zhao, Y., 4927C
Tanaka, N. See Aoki, H., 4651C; Tsujioka, N., 3272C
Tanaka, Y. See Toki, S., 2456P
Tang, B. Z. See Hua, J., 2025C; Wang, X., 2072C; Xing, C., 2960C; Zeng, Q., 8070C
Tang, G.
—; Lin, Y.-J.; Jin, G.-X.: Vinyl Polymerization of Norbornene by Mono- and Trinuclear Nickel Complexes with Indanimine Ligands, 489C
Tang, J. See He, X., 4486C
Tang, L.-M.
—; Wu, J.-Q.; Duan, Y.-Q.; Pan, L.; Li, Y.-G.; Li, Y.-S.: Ethylene Polymerizations, and the Copolymerizations of Ethylene with Hexene Or Norbornene with Highly Active Mono(β-Enaminoketonato) Vanadium(III) Catalysts, 2038C
Tang, L.-Y. See Yang, X.-Z., 6425C
Tang, M.
—; F. Haider, A.; Minelli, C.; M. Stevens, M.; Williams, Charlotte K.: Lactide Polymerization Co-Initiated by Carbohydrate Esters and Pyranoses, 4352C
Tang, S. See Wang, B., 3120C
Tang, T. See Li, J., 1240C
Tang, W.
—; Lin, T.; Ke, L.; Chen, Z.-K.: Synthesis, Photophysics, Theoretical Modeling, and Electroluminescence of Novel 2,7-Carbazole-Based Conjugated Polymers with Sterically Hindered Structures, 7725C
Tang, X.-Z. See Shi, G.-Y., 2390C
Tang, Y. See Gao, M.-L., 2807C
Tang, Z. See Qu, L., 1652P
Tani, K. See Hirano, T., 4575C
Tanioka, A. See Danno, T., 558P
Tantishaiyakul, V. See Suknuntha, K., 1258P
Tao, C. See Zhang, W., 4151C
Tao, K. See Lu, D., 5805C, 7667C
Tao, W. See Fu, Z., 362C; Yan, L., 12C
Tao, Y.
—; Wang, X.; Chen, X.; Zhao, X.; Wang, F.: Regio-Regular Structure High Molecular Weight Poly(propylene Carbonate) by Rare Earth Ternary Catalyst and Lewis Base Cocatalyst, 4451C
Tas, H.
—; Mathias, L. J.: Synthesis and Polymerization of New Di-Octadecyl Ester Derivatives of α-Hydroxymethyl Acrylate: A Structure-Property Correlation for Their Copolymers with Methyl Methacrylate, 7785C
Tasdelen, M. A.
—; Yuksel Durmaz, Y.; Karagoz, B.; Bicak, N.; Yagci, Y.: A New Photoiniferter/RAFT Agent for Ambient Temperature Rapid and Well-Controlled Radical Polymerization, 3387C
Taskesen, E. See Degirmenci, M., 5404C
Tav, C. See Yahsi, U., 2249P
Temma, T.
—; Habaue, S.: Synthesis of Hyperbranched Polymer Having Binaphthol Units Via Oxidative Cross-Coupling Polymerization, 1034C

Teng, C.-C. See Yuen, S.-M., 803C
Teng, C.-C. See Yuen, S.-M., 472P
Teng, H. See Zhou, D., 4748C
Tenhu, H. See Nuopponen, M., 38C
Tenhu, H. See Andersson, T., 547P
Tenma, M.
—; Mieda, N.; Takamatsu, S.; Yamaguchi, M.: Structure and Properties for Transparent Polypropylene Containing Sorbitol-Based Clarifier, 41P
Teramoto, M. See Sasaki, T., 2116P
Terraza, C. A.
—; Liu, J.-G.; Nakamura, Y.; Shibasaki, Y.; Ando, S.; Ueda, M.: Synthesis and Properties of Highly Refractive Polyimides Derived From Fluorene-Bridged Sulfur-Containing Dianhydrides and Diamines, 1510C
Tervoort, T. A. See Govaert, L. E., 2475P; Kierkels, J. T. A., 134P
Tew, G. N. See Alfred, S. F., 2640C, 6672C
Teyssandier, F. See Love, B. J., 2319P
Thüne, P. C. See Dikić, T., 218C
Thakur, A. K. See Sharma, A. L., 2577P
Thakur, S.
—; Smith, J. R.; Tillman, E. S.; Cohen, N. A.; Contrella, N. D.: 9-Bromoanthracene Photodimers as Initiators in Controlled Radical Polymerization: Silane Radical Atom Abstraction Coupled with Nitroxide Mediated Polymerization, 6016C
Thami, T.
—; Nasr, G.; Bestal, H.; Lee, ARIEVAN DER; Bresson, B.: Functionalization of Surface-Grafted Polymethylhydrosiloxane Thin Films with Alkyl Side Chains, 3546C
Theato, P.
—; Synthesis of Well-Defined Polymeric Activated Esters, 6677C
Thibault, R. J. See Takizawa, K., 2897C
Thijs, H. M. L. See Becer, C. Remzi, 7138C
Thomann, Y. See Halbach, Tobias S., 2755C
Thompson, J. S. See Kraus, R. G., 734P
Thongpaisanwong, T. See Ruehl, J., 8049C
Thouraud, F. See Thuillez, J., 4122C
Thuillez, J.
—; Thouraud, F.; Fleury, E.: Synthesis of a New Organogelator Based on Block Structures of Co-Oligoamide-6, 4122C
Thunga, M.
—; Satapathy, B. K.; Staudinger, U.; Weidisch, R.; Abdel-Goad, M.; Janke, A.; Knoll, K.: Dynamic Mechanical and Rheological Properties of Binary S–(S/B)–S Triblock Copolymer Blends, 329P
Tian, J. See Liao, R., 441P
Tian, W.
—; Fan, X.; Liu, Y.; Jiang, M.; Huang, Y.; Kong, J.: β-Cyclodextrin Polymer Brushes Based on Hyperbranched Polycarbosilane: Synthesis and Characterization, 5036C
Tian, W. See Li, Y., 3970C
Tian, Z.
—; Li, H.; Wang, M.; Zhang, A.; Feng, Z.-G.: Vesicular and Tubular Structures Prepared From Self-Assembly of Novel Amphiphilic ABA Triblock Copolymers in Aqueous Solutions, 1042C
Tiemblo, P. See Hoyos, M., 1301P
Tien, K.-H. See Liu, J.-H., 6214C
Tiller, J. C. See Ho, C. H., 5053C
Tillman, E. S. See Thakur, S., 6016C
Timbart, L.
—; Amsden, B. G.: Functionalizable Biodegradable Photocrosslinked Elastomers Based on 2-Oxepane-1,5-dione, 8191C
Tippett, M. See Boyer, C., 7207C
Tirelli, N. See Kilcher, G., 2233C
Tkachenko, N. See Lintinen, K., 5194C
Toit, A. D.
—; Wet-roos, D. D.; Joubert, D. J.; Van Reenen, A. J.: Styrene-Ethylene Co-Oligomerization with Bis-(Diphenylphosphino)-Amine/Chromium Catalysts and the Use of the Co-Oligomerization Products in Copolymerization Reactions with Metallocenes, 1488C
Toki, S.
—; Burger, C.; Hsiao, B. S.; Amnuaypornsri, S.; Sakdapipanich, J.; Tanaka, Y.: Multi-Scaled Microstructures in Natural Rubber Characterized by Synchrotron X-Ray Scattering and Optical Microscopy, 2456P
Tokita, M. See Noguchi, H., 5101C
Tokuno, Y. See Ishizu, K., 3429C
Toman, L. See Vlček, P., 564C
Tomanova, M. See Denchev, Z., 5142C
Tomita, Y. See Nishihara, Y., 7913C
Tomkeviciene, A.
—; Simokaitiene, J.; Grazulevicius, J. V.; Jankauskas, V.: Synthesis and Properties of Triaryl Diamine-Based Hole-Transporting Monomer and Polymer, 4674C
Tomoda, H. See Naga, N., 4513C
Tong, X. See Zhang, X., 5283C
Topka, P. See Balcar, H., 2593C
Toppare, L. See Udum, Y. A., 3723C
Torkelson, J. M. See Kim, S., 2754P; Mok, M. M., 48P; Sandoval, R. W., 2672P
Toselli, M. See Marini, M., 1699C
Tour, J. M. See Kobashi, K., 1265C
Tournilhac, F. See Montarnal, D., 7925C
Toussay, P. See Joumaa, N., 327C
Tran, Y. See Sanjuan, S., 4305C
Trhlíková, O. See Svoboda, J., 2776C
Triftaridou, A. I.
—; Loizou, E.; Patrickios, Costas S.: Synthesis and Characterization of Amphiphilic Cationic Symmetrical ABCBa Pentablock Terpolymer Networks: Effect of Hydrophobic Content, 4420C
Trinque, B. C. See Ito, H., 1559C
Tritto, I. See Leone, G., 5390C
Trotta, F. See Bencini, M., 1607C
Tsai, C.-J. See Lu, H.-Y., 2431P
Tsai, H.-L. See Wang, K.-L., 6861C
Tsai, J.-C. See Lin, W.-F., 2167C, 4843C

Tsai, L.-R.
—; Chen, Y.: Hyperbranched and Thermally Cross-Linkable Oligomer From a New 2,5,7-Tri-Functional Fluorene Monomer, 70C
Tsami, A., Yang, X.-H., Farrell, T.Neher, D.
—; Holder, E.: Alternating Fluorene-di(thiophene)quinoxaline copolymers *via* microwave-Supported Suzuki Cross-Coupling Reactions, 7794C
Tseng, M.-C. See Liu, Y.-L., 5157C
Tseng, T.-Y. See Wang, K.-L., 6861C
Tsiang, R. C.-C. See Chen, S.-Y., 1964C; Chiang, H.-C., 8149C
Tsubokawa, N. See Wei, G., 4218C
Tsuchiya, K. See Shen, J., 1003C
Tsujimoto, I. See Seno, K.-I., 6444C; Seno, K., 6151C
Tsujioka, N.
—; Ishizuka, N.; Tanaka, N.; Kubo, T.; Hosoya, K.: Well-Controlled 3D Skeletal Epoxy-Based Monoliths Obtained by Polymerization Induced Phase Separation, 3272C
Tsunogae, Y. See Ban, H. T., 7395C
Tsutsumi, R. See Kawatsuki, N., 4712C
Tu, A. P. See Lin, C. H., 4970C, 7898C
Tu, C.-W.
—; Liu, K.-Y.; Chien, A.-T.; Yen, M.-H.; Weng, T. H.; Ho, K.-C.; Lin, K.-F.: Enhancement of Photocurrent of Polymer-Gelled Dye-Sensitized Solar Cell by Incorporation of Exfoliated Montmorillonite Nanoplatelets, 47C
Tunca, U. See Altintas, O., 1218C; Dag, A., 302C, 6969C; Durmaz, H., 7091C; Gungor, E., 4459C, 6703C
Turan, E.
—; Demirci, S.; Caykara, T.: Thermo- and PH-Induced Phase Transitions and Network Parameters of Poly(*N*-Isopropylacrylamide-*co*-2-Acrylamido-2-Methyl-Propanosulfonic Acid) Hydrogels, 1713P
Turner, S. R. See Osano, K., 958C

Tzavalas, S.
—; Mouzakis, D. E.; Drakonakis, V.; Gregoriou, V. G.: Polyethylene Terephthalate–Multiwall Nanotubes Nanocomposites: Effect of Nanotubes on the Conformations, Crystallinity and Crystallization Behavior of PET, 668P

Uchida, S. See Ishizu, K., 3429C
Uchida, S. See Ishizu, K., 1525P
Uchiike, C.
—; Ouchi, M.; Ando, T.; Kamigaito, M.; Sawamoto, M.: Evolution of Iron Catalysts for Effective Living Radical Polymerization: P–N Chelate Ligand for Enhancement of Catalytic Performances, 6819C
Udum, Y. A.
—; Yildiz, E.; Gunbas, G.; Toppare, L.: A New Donor-Acceptor Type Polymeric Material From a Thiophene Derivative and Its Electrochromic Properties, 3723C
Ueda, M. See Mizoguchi, K., 4949C; Nakabayashi, K., 3947C, 7332C; Nunoshige, J., 5278C; Sinananwanich, W., 2689C; Terraza, C. A., 1510C
Uenishi, K.
—; Sudo, A.; Endo, T.: Anionic Alternating Copolymerization of 3,4-Dihydrocoumarin and Glycidyl Ethers: A New Approach to Polyester Synthesis, 4092C
Uenishi, K. See Sudo, A., 3447C
Ulutas, K. See Yahsi, U., 2249P
Umino, Y.
—; Narita, T.; Hamana, H.: Initiation Reactivity of Anionic Polymerization of Fluorinated Acrylates and Methacrylates with Diethyl(ethyl cyanoacetato)aluminum, 7011C
Ummadisetty, S.
—; Kennedy, Joseph P.: Quantitative Syntheses of Novel Polyisobutylenes Fitted with Terminal Primary —Br, —OH, $-NH_2$, and Methacrylate Termini, 4236C
Unal, S.
—; Ozturk, G.; Sisson, K.; Long, T. E.: Poly(caprolactone) Containing Highly Branched Segmented Poly(ester urethane)s via A_2 with oligomeric B_3 Polymerization, 6285C
Urakawa, H. See Yamaguchi, T., 2126P, 2644P
Urakawa, O.
—; Ikuta, H.; Nobukawa, S.; Shikata, T.: Small-Angle Neutron Scattering Study on the Miscibility and Concentration Fluctuation of Hydrogen-Bonded Polymer Blends, 2556P
Urbani, C. N.
—; Lonsdale, D. E.; Bell, C. A.; Whittaker, M. R.; Monteiro, M. J.: Divergent Synthesis and Self-Assembly of Amphiphilic Polymeric Dendrons with Selective Degradable Linkages, 1533C
Urbani, Carl N. See Whittaker, Michael R., 6346C
Urman, K. See Rawal, A., 857P
Urushisaki, M. See Hashimoto, T., 1629C, 1893C, 1902C
Ute, K. See Hirano, T., 5698C
Utracki, L. A.Jamieson, A. M.
—; Preface, 2483P
Utracki, L. A.
—; Free Volume of Molten and Glassy Polystyrene and Its Nanocomposites, 791P

Vachaudez, M. See Mincheva, R., 6712C
Vadhavkar, S. S. See Fullana, Matthew J., 5542C
Vaida, C.
—; Mela, P.; Keul, H.; Möller, M.: 2D- and 3D-Microstructured Biodegradable Polyester Resins, 6789C
Vaino, A. R. See Chen, J., 3482C
Vainos, N. See Meristoudi, A., 1515P
Van As, Bart A. C. See Ü.; Kanca, , 2721C
VAN Beek, D. J. M. See Botterhuis, Nicole E., 3877C
van Benthem, R. A. T. M. See Dikić, T., 218C
Van Buijtenen, J. See Kanca, Ü., 2721C
van de Ven, T. G. M. See Bednar, F., 253P
VAN DER Lee, A. See Thami, T., 3546C
van den Dungen, E. T. A.
—; Matahwa, H.; McLeary, James B.; Sanderson, Ronald D.; Klumperman, B.: Initialization Behavior at Various Target Molecular Weight RAFT-Mediated

Methyl Acrylate Polymerizations, 2500C
van der Mee, M. A. J.
—; Goossens, J. G. P.; van Duin, M.: Thermoreversible Covalent Crosslinking of Maleated Ethylene/Propylene Copolymers with Diols, 1810C
van Duin, M. See van der Mee, M. A. J., 1810C
VAN Gemert, G. M. L. See Botterhuis, Nicole E., 3877C
Van Herk, A. M. See Smeets, Niels M. B., 5839C
Van Reenen, A. J. See Toit, A. D., 1488C
Van Renterghem, L. M. See Kul, D. 650C
Vana, P. See Boschmann, D., 7280C; Buback, M., 6071C; Rotzoll, R., 7656C
Vanderzande, D. See Mens, R., 138C
Vanegas, Ma. E.
—; Quijada, R.; Serafini, D.; Galland, G. B.; Palza, H.: Nonisothermal Crystallization and Melting Behavior of Syndiotactic Polypropylenes of Different Microstructure, 798P
Vangheluwe, M.
—; Verbiest, T.; Koeckelberghs, G.: Functionalized Poly(phenylene-*alt*-Bithiophenes): Synthesis, Chiroptical Properties, and Interaction with Chiral Amines, 4817C
Vanjinathan, M.
—; Nasar, A. S.: Syntheses, Characterization, Optical Properties, and Charge-Transfer Complexation Study of Fluorescent Poly(aryl-Ether-Urea) Dendrimers, 713C
Vao-Soongnern, V. See Suknuntha, K., 1258P
Varesano, A.
—; Aluigi, A.; Vineis, C.; Tonin, C.: Study on the Shear Viscosity Behavior of Keratin/PEO Blends for Nanofibre Electrospinning, 1193P
Varga, F. See Sandholzer, M., 3648C
Vasanthan, N. See Yamen, M., 1497P
Vasilenko, I. V. See Radchenko, A. V., 6928C
Vázquez, C. P. See Soules, A., 3214C
Vega-Díaz, S. See Medellín-rodríguez, F. J., 2188P
Vekemans, J. A. J. M. See Kanca, Ü., 2721C
Veleirinho, B.
—; Rei, M. F.; Lopes-DA-Silva, J. A.: Solvent and Concentration Effects on the Properties of Electrospun Poly(ethylene Terephthalate) Nanofiber Mats, 460P
Vellis, P. D.
—; Mikroyannidis, J. A.; Lo, C.-N.; Hsu, C.-S.: Synthesis of Terpyridine Ligands and Their Complexation with Zn^{2+} and Ru^{2+} for Optoelectronic Applications, 7702C
—; Mikroyannidis, J. A.; Cho, M. J.; Choi, D. H.: Carbazolevinylene-Based Polymers and Model Compounds with Oxadiazole and Triphenylamine Segments: Synthesis, Photophysics, and Electroluminescence, 5592C
Velluto, D. See Cerritelli, S., 2477C
Venditto, V. See Mensitieri, G., 8P
Vera, F.
—; Almuzara, C.; Orera, I.; Barberá, J.; Oriol, L.; Serrano, J. L.; Sierra, T.: Side-Chain Supramolecular Polymers with Induced Supramolecular Chirality Through H-Bonding Interactions, 5528C
Vera, M.
—; Franco, L.; Puiggalí, J.: Synthesis of Poly(ester Amide)s with Lateral Groups From a Bulk Polycondensation Reaction with Formation of Sodium Chloride Salts, 661C
Verbiest, T. See Vangheluwe, M., 4817C
Verghese, N. E. See Marks, M. J., 1632P
Vermogen, A.
—; Picard, E.; Milan, M.L.; Masenelli-varlot, K.; Duchet, J.; Vigier, G.; Espuche, E.; Gérard, J. F.: Assessing Crystalline Lamellae Orientation Impact on the Properties of Semi-Crystalline Polymer-Clay Nanocomposites, 1966P
Vermogen, A. See Picard, E., 2593P; Vu, H., 1820P
Vernekar, S. P. See Kulkarni, M., 5776C
Vicini, S.
—; Princi, E.; Pedemonte, E.: Thermodynamic of Polymer Mixtures: the LCT Applied to the Poly(styrene)/Poly(vinyl Methylether) System, 791P
Vidotti, S. E. See Chinellato, A. C., 1811P
Vigier, G. See Vermogen, A., 1966P
Vigier, G. See Munch, E., 497P
Viglianisi, C. See Menichetti, S., 6393C
Viikna, A. See Krumme, A., 1577P
Vijila, C.
—; Meng, N. G.; Kuan, C. Z.; Furong, Z.; Jin, C. S.: Charge Transport Studies in Electroluminescent Biphenylyl Substituted PPV Derivatives Using Time-Of-Flight Photoconductivity Method, 1159P
Vitalini, D.
—; Spina, E.; Dattilo, S.; Mineo, P.; Scamporrino, E.: Synthesis, Characterization, and Nucleotidic Chain Cleavage Ability of Uncharged Water Soluble Poly(ethylene Glycol)-Fullerene Derivatives with an Amphiphilic Character, 2145C
Vittoria, V. See Guadagno, L., 599P
Vlček, P.
—; Janata, M.; Látalová, P.; Dybal, J.; Špírková, M.; Toman, L.: Bottlebrush-Shaped Copolymers with Cellulose Diacetate Backbone by a Combination of Ring Opening Polymerization and ATRP, 564C
Vlček, P. See Ritz, P., 1919C
Vlad, A. See Cazacu, M., 1862C
Vlasveld, D. P. N.
—; Fischer, H. R.; Swierenga, E.; Picken, S. J.: Interaction of SWCNT and PPTA with Sulfuric Acid—Compatibilization of Two Materials in a Common Solvent, 1914P
Vogt, O. See Popielarz, R., 3519C
Vohlídal, J. See Svoboda, J., 2776C
Volk, M. See Bünnagel, T. W., 7342C
Vroman, I. See Salaün, F., 2566P

Vu, H.
—; Vermogen, A.; Gauthier, C.; Masenelli-varlot, K.; Cavaillé, J.: Microstructure and Fracture Behavior of Semicrystalline Polymer–Clay Nanocomposites , 1820P
Vylegzhanina, M. E. See Karabanova, L. V., 1696P

Wagener, K. B. See Matloka, Piotr P., 3992C
Walach, W. See Mendrek, S., 2488C
Wan, D.
—; Zhou, Q.; Pu, H.; Yang, G.: Controlled Radical Polymerization of *N*-Vinylcaprolactam Mediated by Xanthate Or Dithiocarbamate, 3756C
Wan, J.-H. See Jiang, H.-J., 1548C
Wang, B.
—; Li, W.; Jia, X.; Gao, M.; Jiang, L.; Wei, Y.: Photophysical and Self-Assembly Behavior of Poly(amidoamine) Dendrons with Chromophore as Scaffold: the Effect of Dendritic Architecture, 4584C
—; Shen, F.; Lu, P.; Tang, S.; Zhang, W.; Pan, S.; Liu, M.; Liu, L.; Qiu, S.; Ma, Y.: New Ladder-Type Conjugated Polymer Containing Carbazole and Fluorene Units in Backbone: Synthesis, Optical, and Electrochemistry Properties, 3120C
Wang, C. See Gao, M.-L., 2807C; Ge, X., 2994C; Hou, C., 2701C; Hsu, S. L.-C., 8159C; Jin, L., 2948C
Wang, C. See Yu, M., 759P
Wang, D. See Liu, S., 3411C
Wang, D.-Y. See Ge, X., 2994C
Wang, F.
—; He, F.; Xie, Z.; Li, M.; Hanif, M.; Gu, X.; Yang, B.; Zhang, H.; Lu, P.; Ma, Y.: A Solution-Processible Poly(*p*-Phenylene Vinylene) Without Alkyl Substitution: Introducing the *cis*-Vinylene Segments in Polymer Chain for Improved Solubility, Blue Emission, and High Efficiency, 5242C
Wang, F. See Guo, X., 4866C; Tao, Y., 4451C; Wang, P., 1843C, 1C; Xun, S., 1566C
Wang, G.
—; Chen, Y.; Wang, Q.: Structure and Properties of Poly(ethylene Terephthalate)/Na^+-Montmorillonite Nanocomposites Prepared by Solid State Shear Milling (S^3M) Method, 807P
—; Huang, J.: Synthesis and Characterization of Well-Defined ABC 3-Miktoarm Star-Shaped Terpolymers Based on Poly(styrene), Poly(ethylene Oxide), and Poly(ϵ-Caprolactone) by Combination of the "Living" Anionic Polymerization with the Ring-Opening Polymerization, 1136C
—; Luo, X.; Liu, C.; Huang, J.: Synthesis of ABCD 4-Miktoarm Star-Shaped Quarterpolymers by Combination of the "Click" Chemistry with Multiple Polymerization Mechanism, 2154C
Wang, G. See Xu, X., 5263C
Wang, H.-B.
—; Chen, X.-S.; Pan, C.-Y.: Synthesis and Micellization of Star-Like Hyperbranched Polymer with Poly(ethylene Oxide) and Poly(ϵ-Caprolactone) Arms, 1388C
Wang, H.-Y.
—; Peng, B.; Wei, W.: Synthesis and Optoelectronic Characterization of Poly(fluorenylethynylene)s Containing Perylene Bisimide Moiety in the Backbone, 1932P
Wang, H.-Y. See Jiang, H.-J., 1548C
Wang, H. See Zhai, W., 1641P
Wang, J.-L. See Zhang, H.-H., 8131C
Wang, J.
—; Dou, Q.; Chen, X.; Li, D.: Crystal Structure and Morphologies of Polypropylene Homopolymer and Propylene-Ethylene Random Copolymer: Effect of the Substituted 1,3,5-Benzenetrisamides, 1067P
—; Liu, X.; Choi, H.: Graft Copolymerization Kinetics of Acrylic Acid Onto the Poly(ethylene Terephthalate) Surface by Atmospheric Pressure Plasma Inducement, 1594P
—; Xu, W.; Cheng, Z.; Zhu, X.; Zhang, Z.; Zhu, J.; Zhang, W.: Synthesis of Chiral Amphiphilic Diblock Copolymers via consecutive RAFT Polymerizations and Their Aggregation Behavior in Aqueous Solution, 7690C
Wang, J. See Ge, X., 2994C; He, J., 3140C; Yang, X.-Z., 6425C
Wang, K.-L.
—; Tseng, T.-Y.; Tsai, H.-L.; Wu, S.-C.: Resistive Switching Polymer Materials Based on Poly(aryl ether)s Containing Triphenylamine and 1,2,4-Triazole Moieties, 6861C
Wang, K. See Cui, L., 1360P
Wang, L. C.
—; Chen, X. G.; Liu, C. S.; Li, P. W.; Zhou, Y. M.: Dissociation Behaviors of Carboxyl and Amine Groups on Carboxymethyl-Chitosan in Aqueous System, 1419P
Wang, L.
—; Ding, T.; Wang, P.: Effects of Compression Cycles and Precompression Pressure on the Repeatability of Piezoresistivity for Carbon Black-Filled Silicone Rubber Composite, 1050P
Wang, L. See Chen, H.-J., 515C; Guo, X., 4866C; Kilcher, G., 2233C; Sun, M., 3007C; Xun, S., 1566C
Wang, L. See Cheng, J., 1529P
Wang, M. See Haibin Li, Zhen Tian,, 1042C
Wang, P.
—; Chai, C.; Wang, F.; Chuai, Y.; Chen, X.; Fan, X.; Zou, D.; Zhou, Q.: Single Layer Light-Emitting Diodes From Copolymers Comprised of Mesogen-Jacketed Polymer Containing Oxadiazole Units and PVK, 1843C
—; Chai, C.; Yang, Q.; Wang, F.; Shen, Z.; Guo, H.; Chen, X.; Fan, X.; Zou, D.; Zhou, Q.: Synthesis and Characterization of Bipolar Copolymers Containing Oxadiazole and Carbazole Pendant Groups and Their Application to Electroluminescent Devices, 1C
—; Jin, H.; Liu, W.; Chai, C.; Shen, Z.; Guo, H.; Chen, X.; Fan, X.; Zou, D.; Zhou, Q.: Bipolar Copolymers Comprised Mesogen-Jacketed Polymer Containing

Oxadiazole Units and PVK as Host Materials for Electroluminescent Devices, 7861C
—; Wang, X.; Meng, K.; Hong, S.; Liu, X.; Cheng, H.; Han, Charles C.: Thermal Sensitive Fluorescent Hyperbranched Polymer Without Fluorophores, 3424C
Wang, P. See Miao, S., 4243C; Sun, L., 7173C; Wang, X., 2072C
Wang, P. See Wang, L., 1050P; Yang, Q., 2465P
Wang, Q. See Sun, X.-K., 3128C; Wei, Z., 5232C; Yang, Y., 5251C
Wang, Q. See Qu, L., 72P; Wang, G., 807P
Wang, R.
—; Wang, W.-Z.; Yang, G.-Z.; Liu, T.; Yu, J.; Jiang, Y.: Synthesis and Characterization of Highly Stable Blue-Light-Emitting Hyperbranched Conjugated Polymers, 790C
Wang, S.-Q.
—; The Tip of Iceberg in Nonlinear Polymer Rheology: Entangled Liquids Are "Solids", 2660P
Wang, S.
—; Fan, X.; Kong, J.; Wang, X.; Liu, Y.; Zhang, G.: A New Controllable Approach to Synthesize Hyperbranched Poly(siloxysilanes), 2708C
Wang, S. See He, J., 3140C; Yu, M., 7462C
Wang, S. See Zhang, Q., 1243P
Wang, W.-Z. See Wang, R., 790C
Wang, X.-L. See Chen, Y.-Y., 3207C
Wang, X.-L. See Liu, J., 272P
Wang, X.-S. See Nagai, A., 2316C
Wang, X.
—; Du, Z.; Zhang, C.; Li, C.; Yang, X.; Li, H.: Multi-Walled Carbon Nanotubes Encapsulated with Polyurethane and Its Nanocomposites, 4857C
—; Wu, J.; Xu, H.; Wang, P.; Tang, B. Z.: Preparation and Property of Two Soluble Oxadiazole-Containing Functional Polyacetylenes, 2072C
—; Zheng, Q.; Du, L.; Yang, G.: Influence of Preparation Methods on the Structures and Properties for the Blends Between Polyamide 6*co*6T and Polyamide 6: Melt-Mixing and *In-Situ* Blending, 201P
Wang, X. See Cabasso, I., 7677C; He, J., 3140C; Huo, L., 4038C; Liu, L., 3294C; Tao, Y., 4451C; Wang, P., 3424C; Wang, S., 2708C
Wang, X. See Li, Z., 751P
Wang, Y.-C. See Yang, X.-Z., 6425C
Wang, Y.-M. See Li, B., 6102C
Wang, Y.-Z. See Chen, Y.-Y., 3207C; Lee, C.-H., 2262C
Wang, Y.
—; Zhou, L.; Sun, G.; Xue, J.; Jia, Z.; Zhu, X.; Yan, D.: Construction of Different Supramolecular Polymer Systems by Combining the Host–Guest and Hydrogen-Bonding Interactions, 1114P
Wang, Y. See Ge, X., 2994C; He, J., 3140C; Huang, X., 5999C; Li, J., 1240C; Liu, J., 1449C; Lu, D., 5805C, 7667C; Wen, F., 1192C; Yang, L., 6641C; Yue, X., 7002C; Zhao, C., 5752C; Zhu, X., 5214C
Wang, Y. See Bai, H., 577P
Wang, Z.-C. See Chang, C., 3048C
Wang, Z.-J. See Liu, Z.-T., 886C
Wang, Z. See De Wit, M. A., 6376C; Kong, X., 4522C; Liu, Y., 4227C; Xu, X., 5263C
Wang, Z. See Qiu, J., 2100P
Watanabe, J. See Noguchi, H., 5101C
Watanabe, M. See Miyatake, K., 4469C; Tamai, T., 1470C
Waterland, R. L. See Ionkin, A. S., 585C
Waymouth, R. M. See Stelzig, S. H., 6064C
Weaver, J. D.
—; Chowdhury, A. K.; Mowery, D. M.; Esseghir, M.; Cogen, J. M.; Chaudhary, B. I.: Structural Comparison of Products From Peroxide-Initiated Grafting of Vinylsilane and Silane-Functionalized Nitroxyl to Hydrocarbon and Polyolefin Substrates, 4542C
Webb, A. R.
—; Yang, J.; Ameer, G. A.: A New Strategy to Characterize the Extent of Reaction of Thermoset Elastomers, 1318C
Webster, D. C. See Chen, Z., 4344C
Weck, M. See Burd, C., 1936C
Wei, G.
—; Sasage, N.; Kusanagi, Y.; Fujiki, K.; Yamauchi, T.; Tsubokawa, N.: Grafting of Hyperbranched Cyclotriphosphazene Polymer Onto Silica Nanoparticle and Carbon Black Surfaces, 4218C
Wei, G. See Wen, F., 1192C; Xu, L., 473C
Wei, H. See Chang, C., 3048C
Wei, J. See He, Y., 959P; Li, Z., 751P
Wei, K. See Li, K., 4285C
Wei, W. See Jiang, H.-J., 1548C; Qu, J., 5794C
Wei, W. See Wang, H.-Y., 1932P
Wei, Y. See Hu, J., 1124C; Wang, B., 4584C
Wei, Z.
—; Wang, Q.; Xu, J.; Nie, Y.; Du, Y.; Xia, H.: Facile Electrosyntheses of High Tensile Strength Alkyl-Bridged Dicarbazole Polymer Films and Its Fluorescence Spectra, 5232C
Weidisch, R. See Thunga, M., 329P
Weiss, R. A. See Ghebremeskel, Y., 1602P
Welch, M. J. See Zhang, K., 7578C
Weldeghiorghis, T. K.
—; Stueber, D.; Schaefer, J.: Slow Motion in [*Ring*-Fluoro]Polycarbonate by CODEX, 1062P
Wen, F.
—; Zhang, W.; Zheng, P.; Zhang, X.; Yang, X.; Wang, Y.; Jiang, X.; Wei, G.; Shi, L.: One-Stage Synthesis of Narrowly Dispersed Polymeric Core-Shell Microspheres, 1192C
Wen, S. See Li, Y., 3970C
Wendlandt, M. See Govaert, L. E., 2475P
Weng, T. H. See Tu, C.-W., 47C
Wenzel, M. See Xu, J., 2155P
Wessling, M. See Li, X., 1589P
Wet-Roos, D. D. See Toit, A. D., 1488C
Whittaker, M. R. See Bell, C. A., 146C; Urbani, C. N., 1533C
Whittaker, M. R.
—; Urbani, Carl N.; Monteiro, Michael J.: Synthesis of Linear and 4-arm Star Block Copolymers of Poly(methyl acrylate-*b*-Solketal acrylate) by SET-LRP at 25 °C, 6346C
Wi, H.-A. See Lee, K.-C., 6612C

Wiktorska, B. See Lapienis, G., 3869C
Williams, C. K. See Haider, Anita F., 2891C; Tang, M., 4352C
Williams, D. E. See Sandoval, R. W., 2672P
Williams, R. J. J. See Gómez, M. L., 289P
Willson, C. G. See Ito, H., 1559C
Winde, R. See Burtscher, D., 4630C
Winnik, F. M. See Segui, F., 314C
Wisniewski, B. See Pretula, J., 830C
Wit, G. de See Jansen, M. A. G., 1203C
With, G. D. See Yuan, M., 1079P
Wittich, H. See Ghislandi, M., 3326C
Woecht, I.
—; Schmidt-Naake, G.; Beuermann, S.; Buback, M.; García, N.: Propagation Kinetics of Free-Radical Polymerizations in Ionic Liquids, 1460C
Wong, E. H. H.
—; Junkers, T.; Barner-Kowollik, C.: Enhanced Spin Capturing Polymerization: An Efficient and Versatile Protocol for Controlling Molecular Weight Distributions, 7273C
Wong, K. S. See Hua, J., 2025C
Wong, L. See Boyer, C., 7207C
Wong, W. See Liu, L., 3193C
Woo, C. J.
—; Son, S.; Chun, S.; Jin, K. T.; Kwak, S.: Nonisothermal Crystallization Behavior of Exfoliated Poly(ethylene Terephthalate)-Layered Silicate Nanocomposites in the Presence and Absence of Organic Modifier, 989P
Woo, E. M.
—; Yen, K. C.; Wu, M. C.: Analysis of Multiple Melting Behavior of Spherulites Comprising Ring-Band Shell/Ringless Core in Polymorphic Poly(butylene Adipate), 892P
Woo, E. M. See Li, S.-H., 2355P
Woo, H. Y. See Jung, I. H., 7148C
Woo, H. Y. See Jin, Y., 4407C
Wool, R. P.
—; Twinkling Fractal Theory of the Glass Transition , 2765P
Wooley, K. L. See Zhang, K., 7578C
Wooley, K. L. See Ma, J., 3488C; Takizawa, K., 2897C
Wright, P. M.
—; Mantovani, G.; Haddleton, D. M.: Polymerization of Methyl Acrylate Mediated by Copper(0)/Me_6-TREN in Hydrophobic Media Enhanced by Phenols; Single Electron Transfer-Living Radical Polymerization, 7376C
Wrzalik, R. See Kaminski, K., 3795C
Wu, C.-G.
—; Lu, H.-C.; Chen, L.-N.; Lin, Y.-C.: Synthesis and Ion-Sensing Phenomena of Two New Helical Conjugated Oligomers Containing 1,10-Phenanthroline and Oligo-Alkylthiophene, 1586C
Wu, C.-S.
—; Huang, Y.-J.; Hsieh, T.-H.; Huang, P.-T.; Hsieh, B.-Z.; Han, Y.-K.; Ho, K.-S.: Studies on the Conducting Nanocomposite Prepared by *in Situ* Polymerization of Aniline Monomers in a Neat (Aqueous) Synthetic Mica Clay, 1800C
Wu, C.
—; Lu, M.; Jhong, M.: Enhancing the Electrochromic Characteristics of Conjugated Polymer with TiO_2 Nano-Rods, 1121P
Wu, C. See Liu, L., 3294C; Liu, Y., 4756C
Wu, C. See Dong, R., 1997P
Wu, D.
—; Wu, L.; Gao, F.; Zhang, M.; Yan, C.; Zhou, W.: Poly(phenylene Sulfide) Magnetic Composites. I. Relations of Percolation Between Rheology, Electrical, and Magnetic Properties, 233P
—; Wu, L.; He, J.; Zhang, M.; Yan, C.: Poly(phenylene Sulfide)/Low-Melting-Point Metal Composites. I. Transient Viscoelastic Properties and Crystallization Kinetics, 677P
—; Wu, L.; Zhang, M.; Zhou, W.; Zhang, Y.: Morphology Evolution of Nanocomposites Based on Poly(phenylene Sulfide)/Poly(butylene Terephthalate) Blend, 1265P
Wu, D. See Zhao, C., 589P
Wu, G.-P. See Li, B., 6102C
Wu, G.-Y. See Zhang, C.-L., 936C
Wu, G. See Chen, Y.-Y., 3207C; Zhu, X., 5214C
Wu, H.-H. See Yuen, S.-M., 472P
Wu, H. See Du, J., 1376C
Wu, J.-Q. See Tang, L.-M., 2038C
Wu, J. See Yu, L. 682C,
Wu, J.
—; McKenna, G. B.: Anomalous Melting Behavior of Cyclohexane and Cyclooctane in Poly(dimethyl siloxane) precursors and Model Networks, 2779P
Wu, J. See Wang, X., 2072C; Zhang, Y., 777C
Wu, K. H.
—; Chen, P. H.; Yang, C. C.; Ho, W. D.; Liu, C. I.: Infrared Stealth and Anticorrosion Performances of Organically Modified Silicate-NiZn Ferrite/Polyaniline Hybrid Coatings, 926C
Wu, L. H. See Jansen, M. A. G., 1203C
Wu, L. See Hua, J., 2025C
Wu, L. See Li, Y., 1105P; Wu, D., 1265P, 233P, 677P
Wu, M. C. See Woo, E. M., 892P
Wu, M. See Li, Y., 6907C
Wu, Q. See Huang, Z., 1618C; Kong, X., 4522C; Li, X., 117C, 2734C; Li, Y., 93C; Zou, H., 2186C
Wu, S.-C. See Wang, K.-L., 6861C
Wu, T.-M.
—; Yen, S.-J.; Chen, E.-C.; Chiang, R.-K.: Synthesis, Characterization, and Properties of Monodispersed Magnetite Coated Multi-Walled Carbon Nanotube/Polypyrrole Nanocomposites Synthesized by *In-Situ* Chemical Oxidative Polymerization, 727P
Wu, T.-M. See Chen, E.-C., 158P
Wu, T.
—; Hsu, S.; Shih, Y.; Liao, C.: Thermal Degradation Kinetics of Biodegradable Poly(3-Hydroxybutyrate)/Layered Double Hydroxide Nanocomposites, 1207P
—; Liu, A.; Xie, T.; Yang, G.: Evaluation of Ammonium Terminated PMMa as Compatibilizers for Monomer Casting Polyamide6/Clay Nanocomposites, 1802P
—; Xie, T.; Yang, G.: Preparation of Exfoliated Polyacrylic Clay Nanocomposites with High Loading: An Investigation

into the Intercalation of Ammonium-Terminated Polyacrylic Acid and Polyacrylates, 2335P
Wu, T. See Lu, D., 5805C
Wu, T. See He, Y., 959P; Yen, S., 1291P
Wu, W.
—; Parent, J. Scott: Polymer Functionalization by Free Radical Addition to Alkynes, 7386C
Wu, Y.-X. See Zhang, C.-L., 936C
Wu, Y. See Fu, Y., 1349C; Xiao, X., 574C
Wu, Z. See Deng, J., 2193C
Wunderlich, B.
—; Thermodynamics and Kinetics of Crystallization of Flexible Molecules, 2647P
Wyzgoski, F. J. See Harwood, H. J., 2347C

Xaio, Y. See Hussain, H., 7287C
Xi, F. See Jiao, Q., 4564C; Yi, Z., 4205C
Xi, Y. See Chen, Q., 359P
Xia, H. See Li, Y., 3970C; Wei, Z., 5232C; Yang, X.-Z., 6425C
Xia, Y. See Pei, X., 7225C
Xia, Z. See Li, P., 7773C
Xiao, G. See Ma, X., 1758C
Xiao, M.
—; Frey, M. W.: Rheological Studies of the Interactions in Cellulose/Ethylene Diamine/Salt Systems, 2326P
Xiao, X.
—; Wu, Y.; Sun, M.; Zhou, J.; Bo, Z.; Li, L.; Chan, C.: Synthesis and Self-Assembly of Amphiphilic Dendronized Conjugated Polymers, 574C
Xiao, Y. See Hussain, H., 766C
Xiao, Y. See Guan, G., 2380P
Xie, D. See Ji, J., 3098C
Xie, G.
—; Qian, C.: Dramatic Electronic Effect of Fluoro Substituents on the Olefin Polymerization Activity of Mono β-Diiminato Titanium Complexes, 211C
Xie, H.
—; Hu, T.; Zhang, X.; Zhang, H.; Chen, E.; Zhou, Q.: Design, Synthesis, and Characterization of a Combined Main-Chain/Side-Chain Liquid Crystalline Polymer Based on Mesogen-Jacketed Liquid Crystal Polymer via Atom Transfer Radical Polymerization, 7310C
Xie, J.
—; Hu, L.; Shi, W.; Deng, X.; Cao, Z.; Shen, Q.: Synthesis and Nonlinear Optical Properties of Hyperbranched Polytriazole Containing Second-Order Nonlinear Optical Chromophore, 1140P
Xie, M. See He, X., 4442C
Xie, T. See Ionkin, A. S., 585C
Xie, T. See Wu, T., 1802P, 2335P
Xie, Z. See Gao, M.-L., 2807C; Guo, X., 4866C; Hu, X., 7022C; Wang, F., 5242C
Xie, Z. See Qu, L., 1652P, 72P
Xing, C.
—; Lam, Jacky W. Y.; Zhao, K.; Tang, B. Z.: Synthesis and Liquid Crystalline Properties of Poly(1-Alkyne)s Carrying Triphenylene Discogens, 2960C
Xing, J. See Lin, X., 7809C; Yang, C., 203C
Xiong, Y. See Zhang, F., 2201P
Xu, B. See Gao, K., 4889C; Li, Y., 3970C
Xu, D. See Qiu, J., 2100P
Xu, E. See Du, J., 1376C; Sun, J., 5616C
Xu, G.-S. See Yang, G., 612C
Xu, H. See Su, X., 4529C; Wang, X., 2072C; Zhang, Y., 2379C
Xu, H. See Li, Y., 1105P
Xu, J.
—; Holst, M.; Wenzel, M.; Alig, I.: Calorimetric Studies on an Anhydride-cured Epoxy Resin from Diglycidyl Ether of Bisphenol-a and Diglycidyl Ether of Poly(propylene glycol). I. Onset of Diffusion Control During Isothermal Polymerization, 2155P
—; Jiang, X.; Liu, S.: Synthesis of Low-Polydispersity Poly(*N*-Ethylmethylacrylamide) by Controlled Radical Polymerizations and Their Thermal Phase Transition Behavior, 60C
—; Ling, T. C.; He, C.: Hydrogen Bond-Directed Self-Assembly of Peripherally Modified Cyclotriphosphazenes with a Homeotropic Liquid Crystalline Phase, 4691C
—; Zhang, W.; Zhou, N.; Zhu, J.; Cheng, Z.; Xu, Y.; Zhu, X.: Synthesis of Azobenzene-Containing Polymers Via RAFT Polymerization and Investigation on Intense Fluorescence From Aggregates of Azobenzene-Containing Amphiphilic Diblock Copolymers, 5652C
Xu, J. See Jiang, X., 860C; Wei, Z., 5232C
Xu, L.
—; Zhai, M.; Huang, L.; Peng, J.; Li, J.; Wei, G.: Specific Stimuli-Responsive Antipolyelectrolyte Swelling of Amphiphilic Gel Based on Methacryloxyethyl Dimethyloctane Ammonium Bromide, 473C
Xu, N. See Chen, F., 4050C; Gou, P.-F., 6455C
Xu, P.
—; Ji, X.; Abetz, V.; Jiang, S.; Shen, J.: Tunable Morphologies of Rhenium Complex-containing Polystyrene-*block*-poly(2-Vinylpyridine) Aggregates, 2047P
Xu, S.
—; Liu, W.: Aggregates of Amphiphilic Fluorinated Copolymers and Their Encapsulating and Unloading Homopolymer Behaviors, 1000P
Xu, W. See Wang, J., 7690C
Xu, W. See Lv, R., 1202P; Zhang, F., 2201P
Xu, X.
—; Chen, C.; Wang, Z.; Wang, G.; Cheng, S.; Zhang, X.; Zhuo, R.: "Click" Chemistry for *in Situ* Formation of Thermoresponsive P(NIPAAm-*co*-HEMA)-Based Hydrogels, 5263C
Xu, X. See Zhang, C.-L., 936C
Xu, Y.
—; Guan, R.; Jiang, J.; Yang, W.; Zhen, H.; Peng, J.; Cao, Y.: Molecular Design of Efficient White-Light-Emitting Fluorene-Based Copolymers by Mixing Singlet and Triplet Emission, 453C
Xu, Y. See Xu, J., 5652C
Xu, Y. See Kong, J., 1280P; Ma, J., 1546P; Yu, M., 759P
Xu, Z.
—; Hu, X.; Li, X.; Yi, C.: Monodispersed PEG-*b*-PSt Nanoparticles Prepared by Atom Transfer Radical Emulsion Polymerization Under Microwave Irradiation, 481C
Xu, Z. See Zhu, Y., 2658C

Xue, H.
—; Gao, H.; Shreeve, J. M.: Energetic Polymer Salts From 1-Vinyl-1,2,4-Triazole Derivatives, 2414C
Xue, J. See Wang, Y., 1114P
Xue, L. See Li, Y., 3970C
Xue, X.
—; Zhang, W.; Cheng, Z.; Zhu, J.; Zhu, X.: A Novel Azo-Containing Dithiocarbamate Used for Living Radical Polymerization of Methyl Acrylate and Styrene, 5626C
Xue, Z.
—; Noh, S. K.; Lyoo, W. S.: 2-[(Diphenylphosphino)-methyl]pyridine as Ligand for Iron-Based Atom Transfer Radical Polymerization, 2922C
Xun, S.
—; Zhou, Q.; Li, H.; Ma, D.; Wang, L.; Jing, X.; Wang, F.: Synthesis, Characterization, and Electroluminescence of PPV Copolymers Containing Electron and Hole-Transporting Units, 1566C

Yagci, Y. See Kiskan, B., 414C
Yagci, Y. See Tasdelen, M. A., 3387C; Kiskan, B., 3512C, 6780C
Yahsi, U.
—; Ulutas, K.; Tav, C.; Deger, D.: On the Ionic Conductivity of Polymer Electrolytes in Terms of Hole Fraction, 2249P
Yakimansky, A. V. See Nikonorova, N. A., 1488P
Yakushev, P. N. See Karabanova, L. V., 1696P
Yamaguchi, I. See Sato, M., 6688C
Yamaguchi, M. See Tenma, M., 41P
Yamaguchi, T.
—; Kim, K.; Murata, T.; Koide, M.; Hitoosa, S.; Urakawa, H.; Ohkoshi, Y.; Gotoh, Y.; Nagura, M.; Kotera, M.; Kajiwara, K.: Initial Stage of Fiber Structure Development in the Continuous Drawing of Poly(ethylene terephthalate), 2644P
—; Kim, K.; Murata, T.; Koide, M.; Hitoosa, S.; Urakawa, H.; Ohkoshi, Y.; Gotoh, Y.; Nagura, M.; Kotera, M.; Kajiwara, K.: Initial Stage of Fiber Structure Development in the Continuous Drawing of Poly(ethylene Terephthalate), 2126P
Yamamoto, K. See Kotsuchibashi, Y., 6142C
Yamamoto, K. See Mutsuo, S., 743P
Yamamoto, S.-I., Pietrasik, J. Matyjaszewski, K.
—; The Effect of Structure on the Thermoresponsive Nature of Well-Defined Poly(oligo(ethylene Oxide) Methacrylates) Synthesized by ATRP, 194C
Yamamoto, T. See Fukumoto, H., 2975C
Yamamura, Y.
—; Matyjaszewski, K.: Tripodal Imidazole Containing Ligands for Copper Catalyzed ATRP, 2015C
Yamashita, M. See Takamiya, I., 5133C
Yamashita, Y. See Kimura, K., 1598C
Yamauchi, T. See Wei, G., 4218C
Yamazaki, S. See Kimura, K., 1598C
Yamen, M.
—; Ozkaya, S.; Vasanthan, N.: Structural and Conformational Changes During Thermally-Induced Crystallization of Poly(trimethylene Terephthalate) by Infrared Spectroscopy, 1497P
Yan, A. See Chen, Y., 4249C
Yan, B. See He, J., 3140C
Yan, C. See Wu, D., 233P, 677P
Yan, D. See He, X., 4442C; Ma, X., 1758C
Yan, D. See Wang, Y., 1114P
Yan, H. See Okuzaki, H., 305P
Yan, J. See Li, X., 3336C
Yan, L.
—; Ishihara, K.: Graft Copolymerization of 2-Methacryloyloxyethyl Phosphorylcholine to Cellulose in Homogeneous Media Using Atom Transfer Radical Polymerization for Providing New Hemocompatible Coating Materials, 3306C
—; Tao, W.: Synthesis of Achiral PEG-PANI Rod-Coil Block Copolymers and Their Helical Superstructures, 12C
Yan, L. See Ji, J., 3098C
Yan, W. See Zhang, X., 7950C
Yan, X. See Zou, L., 702C
Yanagida, R. See Suzuki, M., 353C
Yang, B. See Wang, F., 5242C
Yang, B. See Li, Y., 1105P
Yang, C. C. See Wu, K. H., 926C
Yang, C.-S. See Lu, H.-Y., 2431P
Yang, C.
—; Guan, Y.; Xing, J.; Shan, G.; Liu, H.: Preparation and Characterization of Monodisperse Superparamagnetic Poly(vinyl Alcohol) Beads by Reverse Spray Suspension Crosslinking, 203C
Yang, C. See Li, K., 4285C
Yang, D.-Y. See Zhang, Y.-F., 281P
Yang, G.-Z. See Wang, R., 790C
Yang, G.
—; Zheng, B.; Yang, J.-P.; Xu, G.-S.; Fu, S.-Y.: Preparation and Cryogenic Mechanical Properties of Epoxy Resins Modified by Poly(ethersulfone), 612C
Yang, G. See Wan, D., 3756C
Yang, G. See Wang, X., 201P; Wu, T., 1802P, 2335P
Yang, H. See Huang, X., 5999C; Liu, Y., 4227C; Zhang, X., 7950C
Yang, H. See Guo, J., 1562P; Hwang, M., 263P; Li, W., 1369P, 2090P
Yang, J.-P. See Yang, G., 612C
Yang, J.
—; Sun, W.; Lin, W.; Shen, Z.: Synthesis and Magnetic Properties of Comb-Like Copolymeric Complexes Based on Thiazole Ring and Ionic Liquid, 5123C
Yang, J. See Chen, J., 1329C; Su, X., 4529C; Webb, A. R., 1318C
Yang, J. See Chen, H., 388P; Li, Z., 751P
Yang, K. See Zhu, X., 5214C
Yang, L.-P.
—; Dong, X.-H.; Pan, C.-Y.: Synthesis of Inverse Star Block Copolymer by Combination of ATRP, Ring Opening Polymerization, and "Click Chemistry", 7757C
Yang, L.-P. See Shi, G.-Y., 6496C; Zou, P., 7628C
Yang, L.
—; Zhou, H.; Shi, G.; Wang, Y.; Pan, C.-Y.: Synthesis of ABCD 4-Miktoarm Star Polymers by Combination of

RAFT, ROP, and "Click Chemistry", 6641C
Yang, P.-C.
—; Liu, J.-H.: Synthesis and Characterization of Novel Photoisomerizable Liquid Crystalline Polymers Containing Cinnamoyl Groups, 1289C
Yang, P.-C. See Liu, J.-H., 6214C
Yang, Q.
—; Song, C.; Chen, Q.; Zhang, P.; Wang, P.: Synthesis and Aqueous Solution Properties of Hydrophobically Modified Anionic Acrylamide Copolymers, 2465P
Yang, Q. See Wang, P., 1C
Yang, Q. See Cheng, J., 1529P
Yang, R. See Sun, M., 3007C
Yang, S.
—; Liu, H.; Zhang, Z.: A Facile Route to Hollow Superparamagnetic Magnetite/Polystyrene Nanocomposite Microspheres Via Inverse Miniemulsion Polymerization, 3900C
Yang, S. See Zuo, X., 7868C
Yang, S. See Hsieh, T., 1214P
Yang, W. See Deng, J., 2193C, 4112C; Jin, L., 2948C; Ma, L., 33C; Xu, Y., 453C
Yang, X.-H. See Tsami, A., 7794C
Yang, X.-Z.
—; Wang, Y.-C.; Tang, L.-Y.; Xia, H.; Wang, J.: Synthesis and Characterization of Amphiphilic Block Copolymer of Polyphosphoester and Poly(L-Lactic acid), 6425C
Yang, X. See Wang, X., 4857C; Wen, F., 1192C
Yang, Y.
—; Wang, Q.; Cui, D.: Isoprene Polymerization with Indolide-Imine Supported Rare-Earth Metal Alkyl and Amidinate Complexes , 5251C
Yang, Y. See Sun, W., 5518C
Yang, Z. See Li, W., 2090P
Yanjarappa, M. J. See Gujraty, K. V., 7249C
Yao, B. See Guo, X., 4866C
Yao, K. See Hou, X., 1674C
Yao, P. See Gao, G., 4681C
Yao, X.-L. See Gao, M.-L., 2807C
Yasuda, T. See Miyatake, K., 4469C
Yazawa, K. See Shin, K.-m., 879P
Ye, C. See Li, Z., 2983C
Ye, L. See Zhang, X., 5283C
Ye, Y.-S.
—; Yen, Y.-C.; Chen, W.-Y.; Cheng, C.-C.; Chang, F.-C.: A Simple Approach Toward Low-dielectric Polyimide Nanocomposites: Blending the Polyimide Precursor with a Fluorinated Polyhedral Oligomeric Silsesquioxane, 6296C
Yeh, A. See Mao, C., 631P
Yeh, J.-M. See Chang, C.-W., 7937C
Yeh, J. See Cui, L., 1360P
Yeh, K.-M. See Lee, C.-C., 7960C
Yeh, K.
—; Lee, C.; Chen, Y.: Host Copolymers Containing Pendant Carbazole and Oxadiazole Groups: Synthesis, Characterization and Optoelectronic Applications for Efficient Green Phosphorescent OLEDs, 5180C
Yen, H.-J.
—; Liou, G.-S.: Novel Thermally Stable Triarylamine-Containing Aromatic Polyamides Bearing Anthrylamine Chromophores for Highly Efficient Green-Light-Emitting Materials, 7354C
Yen, H.-J. See Chang, C.-W., 7937C
Yen, K. C. See Woo, E. M., 892P
Yen, M.-H. See Tu, C.-W., 47C
Yen, S.-J. See Wu, T.-M., 727P
Yen, S.
—; Chen, E.; Chiang, R.; Wu, T.: Preparation and Characterization of Polypyrrole/Magnetite Nanocomposites Synthesized by *in Situ* Chemical Oxidative Polymerization, 1291P
Yen, Y.-C. See Cheng, C.-C., 6416C; Ye, Y.-S., 6296C
Yeniad, B.
—; Albayrak, A. Z.; Olcum, N. C.; Avci, D.: Synthesis and Photopolymerizations of New Phosphonated Monomers for Dental Applications, 2290C
Yeoh, C.-T. See Holder, S. J., 7739C
Yeum, J. H. See Karim, M. R., 2279P
Yi, C. See Xu, Z., 481C; Zhu, Y., 2658C
Yi, Z.
—; Liu, X.; Jiao, Q.; Chen, E.; Chen, Y.; Xi, F.: Synthesis, Characterization, and Self-Assembly of Comb-Dendronized Amphiphilic Block Copolymers, 4205C
Yi, Z. See Jiao, Q., 4564C
Yildiz, E. See Udum, Y. A., 3723C
Yilmaz, H. See Degirmenci, M., 5404C
Yin, J. See Jiang, W., 766P; Li, L., 506P
Yin, N. See Zhou, Z., 1762P, 526P
Yin, X. See Li, C., 1998C; Zhu, M., 7401C
Yin, Y. See Huang, X., 2143P
Ying, X.
—; Guangshun, C.; Shaoyun, G.: Solid Mechanochemical Preparation of Core-Shell SiO_2 Particles and Their Improvement on the Mechanical Properties of PVC Composites, 938P
Yokoi, H. See Zhao, Y., 4927C
Yokota, K. See Nagai, D., 733C
Yokoyama, A. See Miyakoshi, R., 753C
Yokozawa, T. See Miyakoshi, R., 753C
Yonezumi, M.
—; Kanaoka, S.; Aoshima, S.: Living Cationic Polymerization of Dihydrofuran and Its Derivatives, 4495C
—; Okumoto, S.; Kanaoka, S.; Aoshima, S.: Living Cationic Polymerization of Amide-Functional Vinyl Ethers: Specific Properties of $SnCl_4$-Based Initiating System, 6129C
—; Takaku, R.; Kanaoka, S.; Aoshima, S.: Living Cationic Polymerization of α-Methyl Vinyl Ethers Using $SnCl_4$, 2202C
—; Takano, N.; Kanaoka, S.; Aoshima, S.: Living Cationic Polymerization of Vinyl Ethers in the Presence of a Strong Base: Poisonous Or helpful?, 6746C
Yoo, H. J.
—; Jung, Y. C.; Cho, J. W.: Effect of Interaction Between Poly(ethylene Terephthalate) and Carbon Nanotubes on the Morphology and Properties of Their Nanocomposites, 900P
Yoo, M. K. See Kim, I. Y., 3629C
Yoon, K.-J.
—; Park, J. S.; Lee, S.-J.; Song, M.; Shin, I. A.; Lee, J. W.; Gal, Y.-S.; Jin, S.-H.: Synthesis and

Characterization of Fluorene-based Copolymers Containing Benzothiadiazole Derivative for Light-emitting Diodes Applications, 6762C
Yoon, K.-J. See Park, J. S., 6175C
Yoon, S. See Ramasundaram, S., 2173P
Yoon, Soo Min Lee, Kuk Ro See Lee, H. J., 1178C
Yoshida, M.
—; Matsui, T.; Hatate, Y.; Takei, T.; Shiomori, K.; Kiyoyama, S.: Permeability Control in Electro-Sensitive Microcapsules with Immobilized Ferroelectric Liquid Crystalline Segments, 1749C
Yoshida, M. See Chen, J., 5559C
Yoshinaga, K. See Takizawa, K., 2897C, 5977C
You, Y.-Z.
—; Pan, C.-Y.: Confined Space Regulated Polymerization, 1730C
Youn, H. See Noh, T., 7321C
Young, I. See Adams, D. J., 6082C
Yu, B. See He, J., 3140C; Pei, X., 7225C
Yu, F. See Du, J., 1376C; Sun, W., 5518C
Yu, F. See Liao, R., 441P
Yu, H.
—; Zhu, J.; Jiang, W.: Effect of Binary Block-Selective Solvents on Self-Assembly of ABa Triblock Copolymer in Dilute Solution, 1536P
Yu, H. See Cheng, J., 1529P
Yu, J. See Wang, R., 790C
Yu, J. See Dong, M., 1183P, 1725P; Zhai, W., 1641P
Yu, K. See Jin, L., 2948C
Yu, L.
—; Liu, H.; Dean, K.; Chen, L.: Cold Crystallization and Postmelting Crystallization of PLA Plasticized by Compressed Carbon Dioxide, 2630P
—; Zhang, Z.; Chen, X.; Zhang, W.; Wu, J.; Cheng, Z.; Zhu, J.; Zhu, X.: Synthesis of Tetrazole-Containing Azo Polymers with Properties of Photo-Induced Birefringence and Surface-Relief-Gratings Via RAFT Polymerization, 682C
Yu, L. See Guo, J., 1562P
Yu, M.
—; Liu, L.; Wang, S.: Water-Soluble Dendritic-Conjugated Polyfluorenes: Synthesis, Characterization, and Interactions with DNA, 7462C
—; Wang, C.; Bai, Y.; Zhu, B.; Ji, M.; Xu, Y.: Microstructural Evolution in Polyacrylonitrile Fibers During Oxidative Stabilization, 759P
Yu, W.
—; Zhou, C.: The Effect of Interfacial Viscosity on the Droplet Dynamics Under Flow Field, 1505P
Yu, W. See Chen, Q., 431P; Liao, R., 441P
Yu, X. See Hua, J., 2025C
Yu, Y.-H. See Yuen, S.-M., 803C
Yu, Y.-J. See Kim, H. S., 501C
Yu, Y. See Chang, J., 2395P
Yuan, J. See Yuan, W., 2788C
Yuan, J. C. See Lu, D. D., 3802C
Yuan, M.
—; Brokken-zijp, J. C. M.; Huijbregts, L. J.; With, G. D.: Filler Size Effects on the Conductivity of Polymer Nanocomposites: Semiconductive Phthalocyanine Nanoparticles in Epoxy Matrices, 1079P
Yuan, M. See Zhu, M., 7401C
Yuan, R.
—; Shuai, X.: Supramolecular Micellization and PH-Inducible Gelation of a Hydrophilic Block Copolymer by Block-Specific Threading of α-Cyclodextrin, 782P
Yuan, W.
—; Yuan, J.; Zhou, M.; Pan, C.: Synthesis, Characterization, and Fluorescence of Pyrene-Containing Eight-Arm Star-Shaped Dendrimer-Like Copolymer with Pentaerythritol Core, 2788C
Yuan, X. See Guan, G., 2380P
Yuan, Y. See Cabasso, I., 7677C
Yue, X.
—; Zhu, M.; Zhang, H.; Liu, B.; Wang, Y.; Jiang, Z.: Fully Aromatic Poly(ether Ketone)s Bearing Macrocycle Pendants: Synthesis and Crosslinking, 7002C
Yuen, S.-M.
—; Ma, C. M.; Teng, C.-C.; Wu, H.-H.; Kuan, H.-C.; Chiang, C.-L.: Molecular Motion, Morphology, and Thermal Properties of Multiwall Carbon Nanotube/Polysilsesquioxane Composite, 472P
—; Ma, Chen-Chi M.; Chiang, C.-L.; Teng, C.-C.; Yu, Y.-H.: Poly(vinyltriethoxysilane) Modified MWCNT/Polyimide Nanocomposites—Preparation, Morphological, Mechanical, and Electrical Properties, 803C
Yun, J. M. See Park, J. Y., 7534C
Yung, K. See Kong, J., 1280P
Yuvaraj, H. See Hwang, H. S., 1365C

Zaioncz, S. See Paranhos, C. M., 2618P
Zakharov, V. A. See Barabanov, A. A., 6621C
Zamfir, M. See Buruiana, Emil C., 3774C
Zamora, F.
—; Hakkou, K.; Alla, A.; Marín-bernabé, R.; DE PAZ, M. V.; De Ilarduya, A. M.; Muñoz-guerra, S.; Galbis, J. A.: Polyesters Analogous to PET and PBT Based on *O*-Benzyl Ethers of Xylitol and L-Arabinitol, 5167C
Zanetti, M. See Gestí, S., 2234P
Zanuy, D.
—; Alemán, C.: Simulation of the Self-Assembly of Poly(α-Glutamate) and Dodecyltrimethylammonium: Diffusive Role of the Surfactant Cations, 917P
Zedník, J. See Balcar, H., 2593C; Svoboda, J., 2776C
Zeng, D. See Du, J., 1376C; Sun, J., 5616C
Zeng, Q.
—; Lam, Jacky W. Y.; Jim, Cathy K. W.; Qin, A.; Qin, J.; Li, Z.; Tang, B. Z.: New Chemosensory Materials Based on Disubstituted Polyacetylene with Strong Green Fluorescence, 8070C
Zeng, X. See Dong, R., 1997P
Zeng, Y. See He, J., 3140C
Zeng, Z. See Chen, J., 1329C
Zerroukhi, A. See Li, P., 7773C
Zhai, M. See Xu, L., 473C
Zhai, W.
—; Wang, H.; Yu, J.; Dong, J.; He, J.: Foaming Behavior of Polypropylene/Polystyrene Blends Enhanced by Improved Interfacial Compatibility, 1641P
Zhai, Y. See Lin, X., 7809C

Zhan, F. See Liu, J., 7543C
Zhan, H. See Feng, M., 5702C
Zhan, X. See Shi, Y., 2433C
Zhang, A. See Tian, Z., 1042C; Zhang, X., 5283C
Zhang, B. See Huang, X., 4332C
Zhang, C.-L.
—; Feng, L.-F.; Hoppe, S.; Hu, G.-H.: Grafting of Polyamide 6 by the Anionic Polymerization of ϵ-Caprolactam From an Isocyanate Bearing Polystyrene Backbone, 4766C
—; Wu, Y.-X.; Xu, X.; Li, Y.; Feng, L.; Wu, G.-Y.: Synthesis of Polyisobutylene with Arylamino Terminal Group by Combination of Cationic Polymerization with Alkylation, 936C
Zhang, C. See Liu, L., 3193C; Ma, X., 1758C; Sun, W., 5518C; Wang, X., 4857C
Zhang, D. See Guan, G., 2380P; Zhu, Y., 1571P
Zhang, F.
—; Zhou, L.; Xiong, Y.; Xu, W.: Investigation on Nonisothermal Crystallization Kinetics of the High-Flow Nylon 6 by Differential scanning Calorimetry, 2201P
Zhang, F. See Guo, X., 7491C; Li, X., 2734C
Zhang, G. See Wang, S., 2708C
Zhang, G. See Liu, J., 272P
Zhang, H.-H.
—; Huang, Z.-Q.; Sun, B.-W.; Guo, J.-X.; Wang, J.-L.; Chen, Y.-Q.: Y-Shaped Poly(ethylene glycol) and Poly(trimethylene carbonate) amphiphilic Copolymer: Synthesis and for Drug Delivery, 8131C
Zhang, H. See Nomura, K., 4162C; Wang, F., 5242C; Xie, H., 7310C; Yue, X., 7002C
Zhang, J.
—; Chen, K.; Zhao, H.: PMMa Colloid Particles Armored by Clay Layers with PDMAEMa Polymer Brushes, 2632C
Zhang, J. See Jiang, X., 860C; Liu, L., 3294C
Zhang, K.
—; Rossin, R.; Hagooly, A.; Chen, Z.; Welch, M. J.; Wooley, K. L.: Folate-Mediated Cell Uptake of Shell-Crosslinked Spheres and Cylinders, 7578C
Zhang, L. See Cheng, Z., 2119C
Zhang, L. See Ma, J., 1546P; Su, J., 370P
Zhang, M. See Liu, L., 3294C
Zhang, M. See Wu, D., 1265P, 233P, 677P
Zhang, P. See Yang, Q., 2465P
Zhang, Q.
—; Ma, X.; Liang, G.; Qu, X.; Huang, Y.; Wang, S.; Kou, K.: Morphology and Properties of Cyanate Ester/Liquid Polyurethane/Silica Nanocomposites, 1243P
Zhang, Q. See Shi, Y., 2433C
Zhang, Q. See Landherr, Lucas J. T., 1773P; Lv, R., 1202P
Zhang, R.
—; Liu, X.; Gu, Y.: Morphological Changes of BTDA/M-PDa Polyimide Banded Spherulites: the Effect of Solvent on Banding, 659P
Zhang, S. See Feng, C., 5638C; Li, N., 2820C; Liu, S., 3411C; Miao, S., 4243C; Zuo, W., 3396C
Zhang, W. See Yu, L. 682C,
Zhang, W.
—; Li, Y.; Lin, C.; An, Q.; Tao, C.; Gao, Y.; Li, G.: Electrochemical Polymerization of Imidazolum-Ionic Liquids Bearing a Pyrrole Moiety, 4151C
—; Liu, L.; Zhuang, X.; Li, X.; Bai, J.; Chen, Y.: Synthesis and Self-Assembly of Tadpole-Shaped Organic/Inorganic Hybrid Poly(*N*-isopropylacrylamide) Containing Polyhedral Oligomeric Silsesquioxane via RAFT Polymerization, 7049C
Zhang, W. See Wang, B., 3120C; Wang, J., 7690C; Wen, F., 1192C; Xu, J., 5652C; Xue, X., 5626C; Zhang, Y., 777C
Zhang, X.-H. See Sun, X.-K., 3128C
Zhang, X.-Z. See Chang, C., 3048C
Zhang, X.
—; Loo, L. S.: Morphology and Mechanical Properties of a Novel Amorphous Polyamide/Nanoclay Nanocomposite, 2605P
—; Yan, W.; Yang, H.; Liu, B.; Liu, P.: Functionalization of Three-dimensionally ordered Macroporous Cross-linked polystyrene by Atom-Transfer Radical Polymerization of Hydroxyethyl Methacrylate and Subsequent Derivatization, 7950C
—; Zhu, X.; Tong, X.; Ye, L.; Zhang, A.; Feng, Z.: Novel Main-Chain Polyrotaxanes Synthesized Via ATRP of HPMa in Aqueous Media, 5283C
Zhang, X. See Wen, F., 1192C; Xie, H., 7310C; Xu, X., 5263C
Zhang, X. See Du, J., 1611P
Zhang, Y. M. See Huang, Z. X., 1416C
Zhang, Y.-F.
—; Bai, S.-L.; Yang, D.-Y.; Zhang, Z.; Kao-walter, S.: Study on the Viscoelastic Properties of the Epoxy Surface by Means of Nanodynamic Mechanical Analysis, 281P
—; Crystallization and Melting Behaviors of Isotactic Polypropylene Nucleated with Compound Nucleating Agents, 911P
Zhang, Y.
—; Gu, W.; Xu, H.; Liu, S.: Facile Fabrication of Hybrid Nanoparticles Surface Grafted with Multi-Responsive Polymer Brushes Via Block Copolymer Micellization and Self-Catalyzed Core Gelation, 2379C
—; Pan, M.; Liu, C.; Huang, J.: Preparation of Amphiphilic Ternary Block Copolymers with PEO as the Middle Block and the Effect of PEO Position on the Glass Transition Temperature (T_g) of Copolymers, 2624C
—; Sudo, A.; Endo, T.: Syntheses of Bisphenol-Type Oligomers Having Five-Membered Dithiocarbonate Groups at the Terminals and Their Application as Accelerators to Epoxy-Amine Curing System, 1907C
—; Zhang, W.; Chen, X.; Cheng, Z.; Wu, J.; Zhu, J.; Zhu, X.: Synthesis of Novel Three-Arm Star Azo Side-Chain Liquid Crystalline Polymer Via ATRP and Photoinduced Surface Relief Gratings, 777C
Zhang, Y. See Chen, Y.-Y., 3207C; Chen, Z., 4344C; He, X., 4442C; Liu, C., 6754C; Zhao, C., 2680C

Zhang, Y. See Dong, R., 1997P; Guo, S., 1412P; Wu, D., 1265P; Zhou, Z., 1762P, 526P
Zhang, Z. See Yu, L., 682C
Zhang, Z.
—; Cui, D.; Liu, X.: Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide Catalyzed by Noncyclopentadienyl Rare-Earth Metal Bis(alkyl) Complexes, 6810C
Zhang, Z. See Hou, X., 1674C; Qian, Z., 228C; Wang, J., 7690C; Yang, S., 3900C
Zhang, Z. See Zhang, Y.-F., 281P
Zhao, B.
—; Jiang, X.; Li, D.; Jiang, X.; O'lenick, Thomas G.; Li, B.; Li, Christopher Y.: Hairy Particle-Supported 4-*N*,*N*-Dialkylaminopyridine: an Efficient and Recyclable Nucleophilic Organocatalyst, 3438C
Zhao, C.
—; Chen, L.; Wang, Y.: A Phosphorus-Containing Thermotropic Liquid Crystalline Copolyester with Low Mesophase Temperature and High Flame Retardance, 5752C
—; Chen, X.; Zhang, Y.; Ng, M.: 4,9-Dihydro-*s*-Indaceno[1,2-B:5,6-B′]dithiophene-4, 9-Dione Functionalized Copolymers for Organic Photovoltaic Devices, 2680C
—; Wu, D.; Huang, N.; Zhao, H.: Crystallization and Thermal Properties of PLLa Comb Polymer, 589P
Zhao, C. See He, C., 4140C
Zhao, H. See Zhang, J., 2632C
Zhao, H. See Zhao, C., 589P
Zhao, J. See Huang, X., 4332C
Zhao, J. See Dong, R., 1997P; Qiu, J., 2100P
Zhao, K. See Xing, C., 2960C
Zhao, L. See Liu, J., 272P
Zhao, Q.
—; Sun, J.; Ling, Q.; Zhou, Q.: Effect of 1,4-dioxane on Synthesis of Macroporous poly(*n*-Isopropylacrylamide) Hydrogels, 6594C
—; Sun, J.; Ren, H.; Zhou, Q.; Lin, Q.: Horseradish Peroxidase Immobilized in Macroporous Hydrogel for Acrylamide Polymerization, 2222C
Zhao, Q. See Li, Y., 5115C
Zhao, W. See Deng, J., 4112C
Zhao, X. See Tao, Y., 4451C; Zuo, X., 7868C
Zhao, Y.
—; Tan, T.; Yokoi, H.; Tanaka, M.; Kinoshita, T.: Controlled Release and Interaction of Protein Using Self-Assembling Peptide RATEA16 Nanofiber Hydrogels, 4927C
Zhao, Y. See Ma, L., 33C
Zhen, H. See Xu, Y., 453C
Zheng, B. See Yang, G., 612C
Zheng, H.
—; Bai, W.; Hu, K.; Bai, R.; Pan, C.: Facile Room Temperature RAFT Polymerization Via Redox Initiation, 2575C
Zheng, H. See Li, C., 1998C; Zhu, M., 7401C
Zheng, P. See Wen, F., 1192C
Zheng, Q. See Hu, H., 1923P; Wang, X., 201P
Zheng, S. See Guo, X., 7491C
Zheng, S. See Li, L., 2296P
Zheng, W.
—; Simon, S. L.: The Glass Transition in Athermal Poly(α-Methyl Styrene)/ Oligomer Blends, 418P
Zhong, H. See Du, J., 1376C; Sun, J., 5616C
Zhou, B. See Liu, C., 7268C
Zhou, C.
—; Han, J.; Song, G.; Guo, R.: Fabrication of Poly(aniline-*co*-Pyrrole) Hollow Nanospheres with Triton X-100 Micelles as Templates, 3563C
Zhou, C. See Li, C., 1998C
Zhou, C. See Chen, Q., 431P; Liao, R., 441P; Yu, W., 1505P
Zhou, D. See Hong, H. 668C
Zhou, D.
—; Teng, H.; Koike, K.; Koike, Y.; Okamoto, Y.: Copolymers of Methyl Methacrylate and Fluoroalkyl Methacrylates: Effects of Fluoroalkyl Groups on the Thermal and Optical Properties of the Copolymers, 4748C
—; Zhu, X.; Zhu, J.; Cheng, Z.: Synthesis and Characterization of Fluorescence End-Labeled Polystyrene via Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization, 6198C
Zhou, H.
—; Jiménez, Z.; Pojman, John A.; Paley, Mark S.; Hoyle, Charles E.: Photopolymerization Kinetics of Tributylmethylammonium-Based (Meth)acrylate Ionic Liquids and the Effect of Water, 3766C
Zhou, H. See Yang, L., 6641C
Zhou, J. See Xiao, X., 574C
Zhou, L. See Wang, Y., 1114P; Zhang, F., 2201P
Zhou, M. See Yuan, W., 2788C
Zhou, N. See Xu, J., 5652C
Zhou, Q.-F. See Sun, L., 7173C
Zhou, Q. See Wan, D., 3756C; Wang, P., 1843C, 1C, 7861C; Xie, H., 7310C; Xun, S., 1566C; Zhao, Q., 2222C, 6594C
Zhou, R. See Lin, X., 7809C
Zhou, W. See Qu, J., 5794C
Zhou, W. See Wu, D., 1265P, 233P
Zhou, Y. M. See Wang, L. C., 1419P
Zhou, Y.
—; Jiang, K.; Chen, Y.; Liu, S.: Gold Nanoparticle-Incorporated Core and Shell Crosslinked Micelles Fabricated From Thermoresponsive Block Copolymer cf *n*-Isopropylacrylamide and a Novel Primary-Amine Containing Monomer, 6518C
—; Kasi, R. M.: Synthesis and Characterization of Polycholesteryl Methacrylate–Polyhydroxyethyl Methyacrylate Block Copolymers, 6801C
Zhou, Y. See Huo, L., 4038C; Jiang, X., 860C; Zhu, X., 5214C
Zhou, Z.
—; Cui, L.; Zhang, Y.; Zhang, Y.; Yin, N.: Isothermal Crystallization Kinetics of Polypropylene/POSS Composites, 1762P
—; Zhang, Y.; Zhang, Y.; Yin, N.: Rheological Behavior of Polypropylene/Octavinyl Polyhedral Oligomeric Silsesquioxane Composites, 526P
Zhou, Z. See Liu, L., 3193C
Zhu, B. See Pan, P., 2222P; Yu, M., 759P
Zhu, F. See Zou, H., 2186C
Zhu, J. See Yu, L. 682C,
Zhu, J. See Wang, J., 7690C; Xu, J., 5652C; Xue, X., 5626C; Zhang, Y., 777C; Zhou, D., 6198C
Zhu, J. See Yu, H., 1536P

Zhu, M.
—; Jiang, L.; Yuan, M.; Liu, X.; Ouyang, C.; Zheng, H.; Yin, X.; Zuo, Z.; Liu, H.; Li, Y.: Efficient Tuning Nonlinear Optical Properties: Synthesis and Characterization of a Series of Novel Poly(aryleneethynylene)s Co-Containing BODIPY, 7401C
Zhu, M. See Yue, X., 7002C
Zhu, R. See Jiang, H.-J., 1548C
Zhu, S. See Li, D., 970C
Zhu, S. See Li, W., 2090P
Zhu, W.-P. See Gou, P.-F., 2108C, 6455C
Zhu, W. See Chen, F., 4050C; Sun, J., 5616C
Zhu, X. See Yu, L. 682C,
Zhu, X.
—; Wu, G.; Qiu, Z.; Zhou, Y.; Gong, J.; Yang, K.; Wang, Y.: Ring-Opening Polymerization of 1,4-Dioxan-2-One Initiated by Lanthanum Isopropoxide in Bulk, 5214C
Zhu, X. See Cheng, Z., 2119C; Liu, J., 1449C, 7543C; Wang, J., 7690C; Xu, J., 5652C; Xue, X., 5626C; Zhang, X., 5283C; Zhang, Y., 777C; Zhou, D., 6198C
Zhu, X. See Wang, Y., 1114P
Zhu, Y.
—; Li, Z.; Zhang, D.: Electromagnetic Nanocomposites Prepared by Cryomilling of Polyaniline and Fe Nanoparticles, 1571P
—; Xu, Z.; Yi, C.: Study on the Preparation and the Self-Assembly of Poly(propyleneimine)–Poly(styrene) Nanoparticles, 2658C
Zhuang, X. See Feng, M., 5702C; He, C., 4140C; Hu, J., 1124C; Zhang, W., 7049C
Zhuo, R.-X. See Chang, C., 3048C
Zhuo, R. See Xu, X., 5263C
Ziolo, J. See Kaminski, K., 3795C
Zou, D. See Wang, P., 1843C, 1C, 7861C
Zou, H.
—; Zhu, F.; Wu, Q.: Synthesis of Novel Branched Ethylene/Cyclopentene Copolymers with Only *cis*-1,3-Enchained Cyclopentene Units Using α-Diimine Nickel(II) Complexes in the Presence of Methylaluminoxane, 2186C
Zou, L.
—; Fu, Y.; Yan, X.; Chen, X.; Qin, J.: Linear π-Conjugated Polymers Containing 2,4,6-Tris(thiophen-2-Yl)-1,3,5-Triazine Unit: Synthesis and Optical Properties, 702C
Zou, P.
—; Yang, L.-P.; Pan, C.-Y.: One-Pot Synthesis of Linear-Hyperbranched Diblock Copolymers via Self-Condensing Vinyl Polymerization and Ring Opening Polymerization, 7628C
Zou, P. See Shi, G., 5580C
Zuo, M. See Hu, H., 1923P
Zuo, W.
—; Zhang, S.; Liu, S.; Liu, X.; Sun, W.: Half-Titanocene Complexes Bearing Dianionic 6-Benzimidazolylpyridyl-2-Carboximidate Ligands: Synthesis, Characterization, and Their Ethylene Polymerization, 3396C
Zuo, W. See Liu, S., 3411C
Zuo, X.
—; Chen, J.; Zhao, X.; Yang, S.; Fan, L.: Synthesis and Characterization of Siloxane Resins Derived From Silphenylene-Siloxane Copolymers Bearing Benzocyclobutene Pendant Groups, 7868C
Zuo, Z. See Li, C., 1998C; Zhu, M., 7401C

JOURNAL OF
POLYMER SCIENCE

Combined Subject Index to Volume 46

This index covers the Polymer Chemistry and Polymer Physics Editions of the *Journal of Polymer Science*, Vol. 46, 2008. The Edition in which an item appears is indicated by a C or P, respectively, following the page number.

A_2 monomer, 2708C
$A_2 + B_3$ polymerization, 6285C
ABCBA pentablock terpolymers, 4420C
Abietic acid, 747C
ABS, 190P
Absorption, 388P, 7419C, 7517C
Absorption and photoluminescence, 1159P
Acetal, 1893C
Acid-labile, 4332C
Acrylamide, 2667C
2-Acrylamido-2-methyl-propanosulfonic acid, 1713P
Acrylate hydrogel, 2667C
Acrylates, 2319P, 3795C, 7585C
Acrylic acid, 1811P
Acrylonitrile, 190P, 1165C, 2701C
Activated monomer mechanism, 7919C
Activation energy, 158P, 530C, 1159P, 1460C, 1594P, 2212P, 4227C, 4265C, 6621C, 6828C
Activation energy barrier, 1478P
Active center studies, 267C
Active sites distribution, 5461C
Actuator, 2532P
Adamantane, 1629C
Adamantyl, 7101C
Adamantyl vinyl ether, 1629C
Adaptative, 4997C
Added base, 4495C, 6746C
Addition polymerization, 48P, 489C, 1185C, 1427C, 2316C, 2433C, 2858C, 3344C, 3673C, 5133C, 5499C, 7411C, 8091C
Additives, 41P, 134P, 577P, 1788P, 1907C, 2566P, 6393C, 6660C, 6916C, 7473C, 8041C
Adenine, 6416C
Adhesion, 1427C, 1773P, 2711P, 3447C, 4794C, 7972C
Adhesives, 383C, 1320P, 2290C, 2588C, 4081C, 6660C, 7074C
ADMET, 3992C
Adsorbed PMMA, 649P
Adsorption, 244P, 370P, 483P, 649P, 2557C, 2711P, 5794C
Agarose, 322P
Ageing, 1320P, 1337P, 2062C, 2733P, 2741P
Aggregates, 1412P, 5652C
Aggregation, 631P
Aging, 134P, 263P, 599P
Albumin, 2557C
Aldehydes, 2869C
Alginate gels, 1167P
Alignment, 3591C, 4712C
Aliphatic hyperbranched polyesters, 5568C
Aliphatic polyester, 619P
Aliphatic polyesters, 5348C, 5363C, 6552C
Alkoxyamine, 8049C
N-Alkoxyamine, 1165C
N-Alkylacrylamides, 4575C
Alkyl-2-cyanoacrylates, 5142C
Alkylation, 936C
Alkyne, 1083C
Alkyne addition, 7386C
Alkyne homocoupling reaction, 6703C
Alkyne polymerization, 2593C
Allyl, 1852C
Aluminum (Al), 2143P
Ambidextrous surfactant, 1365C
Amine, 6672C
Amino acid, 2326C, 2525C, 4183C
α-Amino acid *N*-carboxyanhydride (NCA), 2649C
Amino acid *N*-carboxyanhydride (NCA), 2525C
α-Amino acid ester, 2864C
Amino acids, 7985C
Amino groups, 7022C
α-Amino NCAs, 4012C
2-Aminopyridine, 1618C
Ammonium terminated PMMA, 1802P
Ammonium-terminated polyacrylic acid, 2335P
Amorphous, 54C, 444C, 516P, 1497P, 2475P, 2605P, 4674C
Amorphous polyamide, 2605P
Amorphous polymer, 497P
Amphiphiles, 38C, 314C, 473C, 574C, 650C, 1000P, 1025C, 1365C, 1388C, 1699C, 2145C, 2277C, 2296P, 2390C, 2913C, 4254C, 4320C, 4420C, 4564C, 4602C, 4756C, 5295C, 5381C, 6455C, 7033C, 7556C, 7606C, 7827C, 8097C
Amphiphilic, 174C, 574C, 3098C, 3662C, 4602C, 4997C, 6907C
Amphiphilic block copolymer, 7739C
Amphiphilic block copolymers, 85C, 1515P, 2047P
Amphiphilic conetworks, 7556C
Amphiphilic copolymer, 3029C
Amphiphilic copolymers, 362C, 1954C, 7690C
Amphiphilic diblock copolymer, 5652C
Amphiphilic model networks, 4420C
Amphiphilic polymers, 6801C
Amphiphilic telechelic polymers, 314C
Amphiphilic triblock copolymers, 7809C
Amphipiles, 1990C
AMPS, 3257C
Anion exchange, 4151C
Anionic, 4830C
Anionic polymerization, 844C, 1136C, 1826C, 2132C, 2154C, 2335C, 2488C, 3282C, 3447C, 3869C, 3938C, 4103C, 4766C, 5142C, 5223C, 5518C, 5742C, 6604C, 6770C, 6961C, 7011C, 7809C
Annealing, 589P, 1879P, 4719C

Anonic polymerization, 3029C
Anthracene, 302C, 5115C
Anthracene derivatives, 5616C
Anti-adhesion, 3629C
Anti-EGFR, 7321C
Anti-Markovnikov hydrobromination, 4236C
Anticorrosion, 4794C, 7972C
Antidripping, 2994C
Antimicrobial, 2423P
Antimicrobial activity, 530C
Antioxidant additive, 6393C
Antioxidants, 6393C
Antipolyelectrolyte effect, 473C
Apparent chain transfer constant, 5839C
L-Arabinitol, 5167C
Arborescent copolymers, 2335C
Arborescent polymers, 5742C
Archaeology, 6660C
Architecture, 1788P
ARGET ATRP, 2015C, 7299C
Aromatic polyethers, 543C
Arrhenius plot, 4265C
Association blending, 631P
Asymmetric centipede-like copolymers, 5580C
Asymmetric divinyl monomer, 6023C
Atom transfer nitroxide radical coupling, 6770C
Atom transfer nitroxide radical coupling reaction, 6754C
Atom transfer radical polymerization (ATRP), 85C, 625C, 650C, 146C, 194C, 362C, 766C, 1003C, 1218C, 1278C, 1416C, 1649C, 1919C, 1990C, 2015C, 2154C, 2624C, 2658C, 2701C, 2788C, 2922C, 3306C, 3326C, 3429C, 3499C, 3533C, 3911C, 4056C, 4193C, 4305C, 4442C, 4459C, 4756C, 4830C, 4879C, 4997C, 5014C, 5036C, 5580C, 5604C, 5626C, 5805C, 5826C, 5991C, 6082C, 6142C, 6416C, 6664C, 6677C, 6703C, 6907C, 6969C, 7091C, 7101C, 7200C, 7225C, 7287C, 7299C, 7310C, 7606C, 7628C, 7667C, 7713C, 7739C, 7757C, 7827C, 8097C, 8200C
Atom-transfer radical polymerization (ATRP), 102C, 7950C
Atomic force microscopy, 7332C
Atomic force microscopy (AFM), 12C, 1412P, 1594P, 3078C, 3877C
ATRP, 481C, 564C, 702P, 777C, 817C, 2119C, 2488C, 3662C, 4205C, 5283C, 5638C, 6496C, 6754C, 6983C
Attoliter chemistry, 2601C
Autoinitiation, 3433C
Aza-Michael, 6843C
Azabenzothiadiazole, 2975C
Azide, 1083C
6-Azido-6-deoxy cellulose, 3853C
Azo polymer, 777C
Azo polymers, 682C, 1140P, 4442C, 5626C, 5652C, 6734C, 7843C
Azobenzene, 6532C, 7843C
Azopolymers, 6532C

$B'B_x$ monomer, 2708C
Bacterial cellulose, 1235P
Band gap, 1548C, 1974C
Band spacing, 659P
Barbell-like copolymers, 3802C
Barrier properties, 1734P, 1966P, 2593P
Bathochromic shift, 289C
Benzimidazole, 7566C
6-Benzimidazolylpyridyl-2-carboxylimidate, 3411C
Benzocarbazole, 1783C
Benzocyclobutene, 844C, 7868C
Benzoxazine, 2316C, 3512C, 6780C, 7162C
Benzylic ester, 1945C
Benzylidene polymers, 552C, 7637C
Bidisperse polymer blend, 418P
Bimodal, 1577P
Binary block selective solvent, 1536P
Bioactive and biocompatible polymers, 1607C
Biocompatibility, 2222P, 2326C, 3802C, 4617C, 4997C, 7713C, 8131C
Biocompatible, 1852C, 4021C, 5348C, 5363C
Biocompatible polymers, 3459C
Bioconjugation, 7207C
Biodegradable, 102C, 203C, 483P, 643C, 661C, 879P, 1207P, 1852C, 2222P, 2459C, 3207C, 4130C, 4140C, 4243C, 4451C, 4889C, 4997C, 5348C, 5363C, 5977C, 6285C, 6317C, 6376C, 6455C, 7022C, 7127C, 7809C, 7996C, 8191C
Biodegradable polyesters, 6789C, 7483C
Biodegradable polymer, 879P, 3802C
Biodegradable polymers, 3182C, 5167C
Biological application of polymers, 5471C
Biological applications of polymers, 383C, 1607C, 5826C, 6376C, 7249C
Biomaterial, 2612C
Biomaterials, 383C, 1167P, 1235P, 1430P, 2084C, 2459C, 2630P, 2891C, 3459C, 383C, 3842C, 4103C, 4243C, 4352C, 6082C, 7713C, 8191C
Biomimetic, 817C, 1984P, 2309C, 6009C, 6416C, 7713C, 7985C
Biomolecular recognition, 817C
Biopolymers, 228C, 589P, 747C, 1007P, 4070C, 5053C, 6489C, 6712C, 6843C
Birefringence, 4712C
Birefringent control, 7395C
Bis-calix[4]arene, 6477C
Bis(β-diketiminato) titanium complex, 93C
Bis(imino)pyridine iron catalysts, 6621C
Bis(imino)pyridine ligands, 585C
Bismuth, 4777C
Bismuth chloride, 7483C
Bismuth iodide, 7483C
Blending, 1348P, 2355P, 2395P, 6296C, 6416C
Blends, 16P, 201P, 329P, 359P, 431P, 452P, 516P, 791P, 1131P, 1265P, 1348P, 1360P, 1376P, 1505P, 1602P, 1619P, 1641P, 1669P, 1923P, 1976P, 2012P, 2286P, 2556P, 2672P, 2680C, 3714C, 6660C
"Block-like" Copolymers, 1649C
Block copolymer, 12C, 625C, 753C, 782P, 1684P, 3108C, 3662C, 3740C, 5028C, 6142C, 7187C, 7578C
Block copolymer composition, 102C
Block copolymers, 48P, 85C, 174C, 194C, 244P, 401C, 433C, 691P, 860C, 1400P, 1412P, 1533C, 1629C, 1649C, 1902C, 1954C, 1964C, 1990C, 2035P, 2047P, 2054P, 2132C, 2277C, 2296P, 2379C, 2402C, 2477C, 2624C, 2672P, 2711P, 2913C, 3029C, 3068C, 3098C, 3294C, 3429C, 3499C, 3629C, 3714C, 3802C, 3985C, 4205C, 4420C, 4442C, 4479C, 4602C, 4785C, 4830C, 5283C, 5295C, 5348C, 5363C, 5404C, 5442C, 5604C, 5991C, 6365C, 6425C, 6677C, 6754C, 7033C, 7127C, 7200C, 7321C, 7628C, 7739C, 7809C, 7827C, 8041C, 8097C, 8131C, 8200C
Block polymers, 452P, 7273C
Blood, 7713C
Blue emission, 5242C
Blue emitter, 5483C
BODIPY, 7401C
Boehmite, 2755C
Bond dissociation energy, 1165C, 5663C
Bond fluctuating chains, 2696P
Bond fluctuation model, 4486C
Bond-fluctuating sheet, 2696P
Bottlebrush copolymers, 564C

Bound carbonyls, 649P
Branched, 1548C, 2049C, 2186C, 3860C, 4363C, 5742C, 6023C, 6285C, 7543C, 7925C
Branched polyelectrolytes, 2335C
Branched polymer, 1792C
Branched polymers, 1788P, 3860C
Branched PP, 148P
Branching agent, 1792C
Branching analysis, 7621C
Branching topology, 1525P
Breakdown kinetics, 2477C
Bridged polysilsesquioxanes, 289P
Brittle, 134P
Brittle–ductile transition, 577P
Brittle-ductile transition of polymers, 766P
Broad weight distribution, 33C
Broadband reflection, 1562P
Brønsted acid, 5499C
Brush-on-brush, 1525P
Brushes, 751P
Bulk polymerization, 661C, 2612C
Butadiene, 1476C
n-Butanol formation, 4081C
2-Butene, 4725C
Butyl acrylate, 564C
n-Butyl acrylate, 6542C
t-Butyl acrylate, 6542C

C_{60}, 6722C
Cab–O–Sil silica, 649P
Calculation, 1165C
Calculations, 2433C, 7505C
Calixarene, 6477C
Calorimetry, 791P, 2155P, 2234P, 2733P
Capillary rheometry, 253P
ε-Caprolactone, 564C, 851C, 2300C, 3058C, 4050C, 7483C
Caprolactone, 2869C
2,7-Carbazole, 7725C
Carbazole, 2367C, 4513C, 8141C
Carbazolevinylene polymers, 5592C
Carbohydrate-based polymers, 5167C
Carbohydrates, 2307P
Carbon black, 1529P, 4218C
Carbon dioxide, 843P, 2630P, 3128C, 4451C
Carbon dioxide fixation, 6102C
Carbon nanofibers, 3326C
Carbon nanotube, 272P, 7225C
Carbon nanotubes, 668P, 1058C, 1265C, 2711P, 3014C, 3471C, 6041C
Carborane, 2581C
Carbosilane, 3992C
N-Carboxyethylchitosan, 6712C
Carboxylic acid, 8206C
Carrier mobility, 7517C
Cartilage, 383C
Catalysis, 1066C, 1151C, 2015C, 2038C, 2776C, 2807C, 2897C, 3411C, 3438C, 3830C, 4734C, 6064C, 6102C, 7062C
Catalyst, 753C, 1618C, 2807C, 3673C, 6940C, 7835C
Catalysts, 54C, 93C, 211C, 489C, 740C, 947C, 1083C, 2250C, 2864C, 2869C, 2922C, 3128C, 3207C, 3396C, 3438C, 5251C, 5315C, 5330C, 5506C, 5816C, 6466C, 6810C, 6819C, 7268C, 7395C
Catalytic chain transfer, 5839C
Catalytic recycles, 3673C
Cation radicals, 1240C
Cationic, 5194C
Cationic polymerization, 844C, 936C, 1229C, 1629C, 1902C, 2202C, 2212C, 3088C, 3229C, 3611C, 3886C, 4344C, 4392C, 4495C, 4734C, 4777C, 5194C, 5724C, 6129C, 6151C, 6444C, 6746C, 6928C, 733C, 7919C
Cationic polymers, 4984C
Cationic starch, 253P
Cavitation, 1202P
CB dispersant, 6185C
Cell uptake, 7578C
Cellulose, 297P, 2326P, 3306C, 3853C, 6907C
Cellulose diacetate, 564C
Cellulose nanocrystals, 1430P
Chain conformations, 668P
Chain ends analysis, 6880C
Chain length distribution method, 897C
Chain transfer, 1449C, 2233C
Characteristic length, 2116P
Characterization, 5776C
Charge separation, 1932P
Charge transfer, 713C
Charge transport, 109P, 1159P, 4674C
Chelate ligand, 6819C
Chemical modification, 7207C, 8023C
Chemical recycling, 1893C
Chemosensor, 8070C
China, 6660C
Chip nanocalorimetry, 1577P
Chiral, 886C, 1034C, 1289C, 3336C, 3690C, 4112C, 4175C, 4183C, 4817C, 5528C, 6035C, 6102C, 6214C, 7690C
Chiral binaphthyl, 886C
Chiral chromium Salan complexes, 6102C
Chiral monomer, 1562P
Chiral smectic C phase, 3591C
Chirality, 4817C
Chiroptical property, 1025C, 3336C
Chitosan, 228C, 1124C, 1258P, 1419P, 4889C
Chloroform, 8P
Chlorosilanes, 7677C
Cholesteryl moieties, 314C
Chromatography, 1151C, 2166P
Chromatography (gas), 5330C
Chromium, 636C
Chromium-based, 5315C
Chromium-based catalysts, 5330C
Chromophore group mobility, 1488P
Cinnamic acid, 2402C
Circular dichroism, 3336C, 4112C, 4817C
cis-Trans isomerization, 619P
Clay, 28P, 564P, 807P, 1265P, 1546P, 1800C, 2279P, 2335P, 2539P, 2632C, 5390C, 6630C
Clay platelet, 2696P
"Click" chemistry, 5263C
"Click chemistry", 7757C
Click chemistry, 1083C, 2154C, 2316C, 2845C, 2913C, 3459C, 3512C, 3853C, 4320C, 6496C, 6552C, 7843C
Click coupling, 7187C
"Click" reaction, 2390C
[3 + 2] click reaction, 1218C, 4459C
Click reaction, 302C, 1140P
Click reactions, 6969C, 7091C
Cloud point, 186C, 7739C
β-Cyclodextrin polymer brushes, 5036C
β-Cyclodextrin-poly (4-acryloylmorpholine), 1607C
Cluster-channel model, 2404P
Clustering, 6009C
Clusters, 253P
CO_2, 6810C
Co-oligomers, 1488C
Coagulation, 7713C
Coalescence, 1505P
Coarse-grained model, 2696P
Coating, 926C
Coatings, 1684P, 1773P, 3367C, 3519C, 4081C, 5794C, 6916C, 8149C
Cobalt catalyst, 1416C
Cocatalysts, 1066C
Coil-rod-coil copolymers, 4602C
Coil–globule transition, 370P
Cold crystallization, 798P
Cold plasma, 1594P
Colloid particles, 2632C
Colloids, 971P, 1365C, 1515P, 2267P, 2632C, 2884C, 2948C, 3098C, 3375C, 3813C, 6263C, 6518C, 7739C
Color stability, 4866C
Columnar assembly, 5528C
Comb-like polymers, 1954C
Comb-shaped polymers, 6532C
Comonomer effect, 267C
Compatibility, 6416C

Compatibilization, 1348P, 1802P, 3985C
Compatibilizer, 1802P, 2593P
Complex, 1618C
Complex architectures, 1826C
Complex micelles, 3842C
Complexation, 6532C
Composite, 1800C
Composite membrane, 691P
Composite particles, 8081C
Composites, 233P, 515C, 677P, 691P, 1050P, 1151C, 1734P, 1762P, 1984P, 2279P, 3749C, 5708C, 6041C, 6780C, 7473C
Composition, 4420C
Composition distribution, 1577P
Compound nucleating agent, 911P
Compression, 92P, 734P, 1050P
Compression modulus, 1450P
Computer modeling, 146C, 370P, 917P, 1683C, 1873C
Condensation polymerization, 4857C
Conducting polymer, 2255P, 2418P, 2536C, 5194C
Conducting polymers, 138C, 1050P, 1051C, 1079P, 1529P, 1571P, 1662C, 1800C, 1974C, 2255P, 2279P, 2443P, 2680C, 3150C, 3241C, 3723C, 4407C, 4469C, 4556C, 5223C, 5232C, 6872C, 8200C
Conducting polypyrrole, 2279P
Conductive phthalocyanine nanocomposites, 1079P
Conductivity, 109P, 233P, 727P, 1291P, 1529P
Conetwork, 174C, 2612C
Configuration, 2355P
Confinement, 370P, 1556P
Confinement effects, 2779P
Conformational analysis, 406P, 2267P
Conformational transition, 311P
Conjugated polymer, 515C, 574C, 790C, 2395P, 3573C, 4258C, 6950C
Conjugated polymer blends, 138C
Conjugated polymers, 127C, 453C, 702C, 753C, 886C, 979C, 1121P, 1159P, 1305C, 1349C, 1463P, 1586C, 1998C, 2025C, 2097C, 2367C, 2593C, 2680C, 2776C, 2878C, 2960C, 2975C, 3007C, 3120C, 3336C, 3591C, 3703C, 3723C, 3749C, 3970C, 4038C, 4112C, 4249C, 4285C, 4407C, 4556C, 4602C, 4637C, 4817C, 4866C, 5242C, 5592C, 5616C, 6035C, 6051C, 6175C, 6305C, 6477C, 6762C, 7148C, 7173C, 7207C, 7342C, 7401C, 7462C, 7505C, 7725C, 7794C, 8112C, 8179C
π-Conjugated segment, 4602C
Consolidation, 6660C
Controlled drug release, 8131C
Controlled polymerization, 7138C
Controlled radical polymerization (CRP), 1416C, 2015C, 3459C
Controlled/living radical polymerization, 6023C
Conversion, 2319P
Cooperative effects, 4637C
Coordination interaction, 1998C
Coordination mechanism, 1240C
Coordination polymer, 1925C
^{13}C CP-MAS, 3673C
^{13}C CP/MAS NMR, 1258P
^{13}C-NMR, 5330C
Copolybenzimidazoles, 5776C
Copolyimides, 1891P
Copolymer, 1192C, 3563C, 4513C
Copolymerization, 48P, 54C, 72P, 117C, 170P, 211C, 267C, 373C, 444C, 464C, 818P, 947C, 1159P, 1165C, 1249C, 1289C, 1476C, 1488C, 1559C, 1638C, 1662C, 1738C, 1843C, 1919C, 1998C, 2038C, 2186C, 2525C, 2807C, 3128C, 3214C, 3447C, 3488C, 3573C, 3703C, 3774C, 3813C, 3886C, 3970C, 4021C, 4050C, 4092C, 4162C, 4285C, 4451C, 4704C, 4725C, 4748C, 4794C, 5133C, 5142C, 5180C, 5315C, 5330C, 5499C, 5542C, 5616C, 5734C, 5816C, 6051C, 6064C, 6102C, 6175C, 6214C, 6358C, 6376C, 6393C, 6630C, 6762C, 6810C, 7138C, 7148C, 7249C, 7268C, 7299C, 733C, 7395C, 7411C, 7785C, 7794C, 8097C, 8170C, 8179C
Copolymers, 1936C, 2296P, 8131C
Copper, 7376C
Core-shell micelles, 5028C
Core-shell particles, 938P
Core-shell polymer, 1192C, 2119C
Core-shell polymers, 1388C, 2884C, 2948C, 6206C
Core-shell structure, 5036C
Core/shell and hollow capsules, 2116P
Cornea, 383C
Corona-embedded, 2047P
Counterion binding, 1149P
Cox-Merz rule, 2326P
Cp_2TiCl_2, 2869C
Crazing, 1991P
Creep, 1952P
Creep compliance, 1952P
Critical behavior, 766P
Cross-linker, 2422C
Cross-linking, 1427C, 1773P
Crosslink, 1945C
Crosslink density, 1450P
Crosslinked polymer, 3682C
Crosslinker, 4949C, 6851C
Crosslinking, 21C, 174C, 203C, 238C, 636C, 743P, 1124C, 1226P, 1229C, 1339C, 1357C, 1710C, 1810C, 1945C, 2193C, 2212P, 2290C, 2316C, 2319P, 2379C, 2402C, 2485P, 2581C, 2588C, 2612C, 3088C, 3272C, 3353C, 3482C, 3512C, 3546C, 3795C, 3992C, 4479C, 4542C, 4617C, 5157C, 5194C, 5826C, 5850C, 6091C, 6263C, 6843C, 6851C, 7002C, 7162C, 7258C, 7773C
Crown ether, 6532C
CRP, 6983C
Cryogenic mechanical properties, 612C
Cryomilling, 1571P
Crystal disorder, 558P
Crystal growth, 1478P
Crystal orientation, 1376P
β-Crystal phase, 2173P
Crystal structure, 643C, 3193C
Crystal structures, 406P, 441P, 489C, 585C, 589P, 847P, 1067P, 2173P, 4227C, 6466C, 7419C
Crystalline–crystalline diblock copolymer, 1400P
Crystallinity, 668P, 1525P
Crystallization, 72P, 223P, 311P, 564P, 589P, 659P, 668P, 677P, 818P, 879P, 911P, 925P, 959P, 979P, 989P, 1022P, 1094P, 1183P, 1265C, 1348P, 1360P, 1376P, 1400P, 1437P, 1478P, 1525P, 1556P, 1577P, 1598C, 1725P, 1762P, 1802P, 2035P, 2054P, 2100P, 2173P, 2188P, 2201P, 2222P, 2380P, 2431P, 2566P, 2630P, 4392C, 4959C, 6641C
Crystallization and melting, 2188P
Crystallization behavior, 2222P
Crystallization kinetics, 1762P
Cu catalyzed Huisgen reaction, 6969C
Cucurbit[6]uril, 5999C
Curcumin, 5194C
Curing agents, 7898C
Curing of polymers, 1710C, 1907C, 2305C, 2316C, 3353C, 6091C, 6509C, 6843C, 7868C, 7898C
Curve-fitting, 2433C
Cyanate ester, 1243P
Cyanoacrylate, 2612C
Cyclic acetal, 4332C
Cyclic diazoketone, 1638C
Cyclic enol ether, 4495C
Cyclic olefin copolymer, 7395C
Cyclic polymer, 2390C
Cycloaddition reaction, 1083C
α-Cyclodextrin, 2296P

Cyclodextrin, 782P, 879P, 5283C, 6455C
Cyclodextrins, 1402C
Cyclohexene oxide, 6810C
Cyclopentadiene polymerization, 4734C
Cyclopentene, 2186C, 4725C
Cyclopolymerization, 2390C, 5202C, 7843C, 8049C

Dansyl, 3774C
Data storage media, 6734C
DDM addition time, 6612C
Decolorization, 2423P
Deformation, 497P
Degenerative chain transfer, 6542C
Degradable polymer, 1893C
Degradation, 1P, 959P, 1007P, 1945C, 1964C, 2212P, 2395P, 4320C, 4617C, 6255C, 7258C, 7447C
Degree of branching, 5414C, 5568C
Degree of crystallinity, 558P
Degree of polymerization, 1913C, 4265C, 5568C, 5839C
Degree of polymerization (DP), 3795C, 5977C, 7273C
Degree of swelling, 4420C
Delaminated zeolite, 725C
Dendrigraft polymers, 2335C, 5742C
Dendrimer, 7517C
Dendrimers, 383C, 501C, 713C, 886C, 958C, 1083C, 2581C, 2788C, 2948C, 3375C, 3424C, 4030C, 4564C, 4584C, 4935C, 5295C, 6365C
Dendritic allyl-ether, 1339C
Dendritic architecture, 4584C
Dendritic macromolecules, 383C
Dendritic poly(propyleneimine), 2658C
Dendritic-conjugated polymers, 7462C
Dendron, 3853C
Dendronized chromophore, 5064C
Dendronized polymer, 574C, 886C
Dendronized polymers, 4205C
Densely grafted comblike copolymers, 362C
Density, 2305C, 3447C
Density functional calculations, 7505C
Dental polymers, 2290C, 7074C
Derivatization, 7950C
Dextran, 2845C
Diazoketo, 7534C
DiBenedetto equation, 4227C
Dibenzoborole building blocks, 2878C
Diblock copolymer, 4843C, 6801C
Diblock copolymers, 102C, 1000P, 1025C, 1278C, 2488C, 4594C
Dielectric constant, 2799C, 4265C
Dielectric materials, 1710C
Dielectric properties, 109P, 359P, 1301P, 1710C, 3795C, 4949C, 4970C, 5278C, 6296C, 7868C
Dielectric relaxation, 1390P, 1488P, 2539P
Diels-Alder polymers, 1521C
Diels–Alder polymers, 6509C
Diels–Alder reaction, 302C, 6969C, 7091C
Diepoxides, 3869C
Diethyl(ethyl cyanoacetato) aluminum, 7011C
N,*N*-Diethylacrylamide, 6263C
Differential scanning calorimetry (DSC), 311P, 418P, 516P, 530C, 649P, 668P, 1094P, 1360P, 1525P, 1903P, 2035P, 2186C, 2201P, 2307P, 2355P, 2431P, 2630P, 3078C, 3344C, 3353C, 4725C, 5101C, 6091C
Diffusion, 59P, 272P, 771P, 917P, 1320P, 2155P, 2370P, 2567C,
Diffusion limited cluster-cluster aggregation, 1079P
Diglycerol tetraacetate, 6489C
β-Diiminato titanium complex, 211C
α-Diimine, 2858C
α-Diimine nickel complexes, 2186C
Diimine nickel catalysts, 2186C
Dilation, 59P, 1202P
Dilulin, 6851C
N,*N*-Dimethylacrylamide, 3145C
α,α′-Dimethyl-β-alkyl β-lactones, 2459C
2-Dimethylaminoethyl methacrylate, 1365C
Diodes, 7794C
Diol, 830C
1,4-Dioxan-2-one, 5214C
Dipeptides, 4103C
Diphenyl bismuth bromide, 851C
Dipole-dipole interaction, 4748C
Direct methanol fuel cell, 989C, 5850C
Direct polycondensation, 3802C
Discotic liquid crystals, 2960C
Disorder formalism, 1159P
Dispersion, 1966P, 2097C, 6983C
Dispersion polymerization, 182P, 1329C, 1365C, 2884C, 3638C, 6263C
Dispersion polymerization of styrene, 6612C
Dispersions, 2433C, 2443P, 3150C, 4218C, 6185C, 6263C, 6872C
Disproportionation, 6828C, 6880C
Dissociation, 1419P
Dissociation constant, 4265C
Dissociative electron capture, 1945C
Dissolution, 1007P
Dithiobenzoic acid (DTBA), 2277C
Dithiocarbamate, 3756C, 5626C, 6272C
Dithiol chain extender, 1770C
Diurethane diacrylates, 3344C
DLS, 85C
DMAB, 3648C
DMF reduction, 344P
DMTA, 344P
DNA, 7462C
DNA-like polymer, 6416C
n-Dodecyl mercaptan as chain transfer agent, 6612C
Doi-Edwards model, 2660P
Donor–acceptor, 7882C
Donor-acceptor copolymers, 2367C
Donor–acceptor polymer, 1566C
Donor-acceptor polymers, 1974C
n-Doping, 3723C
Double hydrophilic, 4056C, 5638C
Double metal cyanide complex, 3128C
Doxorubicin, 7321C
Doxorubicin (DOX), 5028C
DPPMP ligand, 2922C
Drawing, 721P, 1376P, 2126P
DRIFTS, 1258P
Droplet deformation, 1505P
Drug complexation, 1607C
Drug delivery system, 7809C
Drug delivery systems, 1C, 109P, 117C, 817C, 1607C, 1954C, 2567C, 2734C, 4021C, 4927C, 5381C, 7321C, 7429C, 8131C
Drug release, 3048C
Drug solubilization, 1607C
Drug-delivery systems, 4130C
DSC, 85C, 1111C, 1577P, 1914P, 3938C, 5142C
Dumbbell-shaped, 1548C
Dye-sensitized solar cells, 47C
Dyes/pigments, 1974C, 3375C
Dynamic light scattering, 771P, 2335C
Dynamic mechanic analysis, 4050C
Dynamic mechanical analysis, 1318C
Dynamic rheology, 506P
Dynamic scanning calorimetry, 2262C

EDA complex, 4265C
Effective activation energy for glass transition, 1652P
Efficiency, 1548C
Elastomer, 1893C
Elastomers, 1050P, 1226P, 1318C, 1810C, 1939P, 2054P, 2357C, 2799C, 3992C, 7925C, 8023C
Electrical conductivity, 1235P, 1619P, 2286P
Electrical field, 1430P

Electrical percolation, 2143P
Electrical properties, 1571P
Electro-optical properties, 3140C
Electro-optical property, 1369P
Electroactive, 1124C
Electrochemical polymerization, 3723C, 5232C
Electrochemistry, 702C, 751P, 926C, 1121P, 1419P, 1974C, 3120C, 3723C, 3970C, 5232C, 5616C, 7677C, 7937C
Electrochromism, 3723
Electrodes, 2532P
Electroluminescence, 5592C, 6051C, 7173C, 7517C, 7702C, 7725C, 7882C
Electron beam, 6660C
Electron beam curing, 6660C
Electron beam irradiation, 751P, 6660C
Electron microscopy, 182P, 1178C, 3326C
Electron spin resonance spectroscopy, 7585C
Electron-transporting materials, 1566C
Electron-withdrawing, 7148C
Electronic effects, 211C
Electrophilic substitution reaction, 3471C
Electrophosphorescence, 7419C
Electropolymerization, 4151C, 7677C
Electrorheological property, 182P
Electrorheology, 1058C
Electrospinning, 460P, 1611P, 1903P, 8159C
Electrospray deposition (ESD), 558P
Electrospray ionization (ESI), 6071C
Electrospray ionization mass spectrometry (ESI-MS), 7447C
Electrospray ionization-mass spectrometry (ESI-MS), 3433C
Emulsion, 3098C, 6983C
Emulsion polymerization, 481C, 625C, 1014C, 1192C, 1470C, 2255P, 2510C, 2536C, 2766C, 2845C, 2948C, 3619C, 3900C, 4081C, 5734C, 6983C, 8081C
Emulsion templating, 5708C
Emulsion-induced micropore, 3429C
Encapsulation, 5295C
End groups, 2347C
End-capped polymers, 3860C
End-group modification, 5414C
End-groups, 6071C
Endcapping, 238C
Endgroup modification, 2079P
Energetic polymers, 2414C
Energy transfer, 1932P, 8141C
Engineering thermoplastics, 958C
Enolic, 643C
Entanglement, 2660P
Entanglements, 253P
Entropy-driven, 1788P
Environment-friendly, 7534C
Enzymatic polymerization, 2222C
Enzyme immobilization, 2222C
Enzymes, 117C, 2222C, 2721C, 3024C, 3842C, 4243C, 5295C, 6435C
Eosin, 401C, 3648C
Episulfides, 2233C
Epoxide, 1427C, 1907C, 3611C, 3673C, 3682C
Epoxy, 1632P, 1837P, 2262C, 2719P, 5194C, 7473C
Epoxy resin, 612C
Epoxy resins, 1229C, 3088C
Epoxy-based monoliths, 3272C
Epoxy-siloxane, 4344C
EPR, 861P
Equilibrium constant, 4265C
ESCA/XPS, 1594P, 6435C
ESR, 1559C
ESR/EPR, 926C, 2423P
Essential work of fracture, 1820P
Esterification, 747C, 830C, 2326C, 3024C, 747C
Ethene, 373C
Ether peroxides, 7447C
1-Ethoxyethyl acrylate, 1649C
Ethyl acrylate, 5014C
Ethylene, 93C, 1066C, 1488C, 2186C, 4162C, 4725C, 7395C
Ethylene carbonate, 4050C
Ethylene polymerization, 7062C
Ethylene–octene copolymer, 577P
Ethylene-vinyl acetate copolymer, 212P
EVOH, 7238C
Evolution, 1265P
Evolving factor analysis, 3886P
Excimer, 1402C
Exfoliation, 989P, 1811P, 2696P, 3619C
exo-Olefin polyisobutylene, 3229C
Extensional rheology, 1669P
Extent of reaction, 1318C

Fatigue analysis, 1991P
Fe^{3+}-catalyzed oxidative polymerization, 2097C
Ferroelectric liquid crystal, 1749C
Ferroelectricity, 2173P, 3591C
Ferrosoferric oxide, 233P
Fiber structure, 2126P
Fiber structure development, 2126P
Fibers, 297P, 353C, 460P, 599P, 759P, 847P, 1611P, 1903P, 2126P, 8159C
Field frequency, 1430P
Field magnitude, 1430P
Fillers, 1050P
Films, 297P, 464C, 607P, 1734P, 1964C, 2754P, 3140C, 5194C, 6489C, 7713C
Flame retardance, 190P, 2994C, 5725C, 6091C, 7207C, 7162C
Flame-retardance, 7898C
Flexibility, 6489C
Flory-Huggins Theory, 2779P
Fluorene, 1548C, 3193C, 4513C, 6051C, 7702C
Fluorene derivatives, 5616C
Fluorenyl cardo moieties, 8170C
Fluorescence, 289P, 314C, 702C, 713C, 979C, 1003C, 1098C, 1349C, 1402C, 1440C, 1470C, 1521C, 2049C, 2672P, 2754P, 2788C, 2878C, 3007C, 3424C, 3519C, 3774C, 4030C, 4407C, 5115C, 5616C, 6035C, 6198C, 6206C, 6477C, 6762C, 6950C, 7342C, 7354C, 7462C, 7517C, 7794C, 8070C, 8112C
Fluorescence property, 5232C
Fluorescence quantum yield, 4258C
Fluorescence switch, 7843C
Fluorescent, 2422C
Fluoride, 4637C
Fluorinated comb copolymers, 534P
Fluorination, 1984P
Fluoro substituent, 211C
Fluoroalkyl methacrylate, 4748C
Fluorophilic, 5859C
Fluoropolymers, 516P, 1586C, 1660P, 2173P, 2404P, 3029C, 3214C, 3813C, 4383C, 4479C, 7011C, 7827C, 8097C
Foams, 212P, 831P, 843P, 2357C, 5708C
Folic acid, 7578C
Forster energy transfer, 3241C
Fractal dimension, 1079P
Fracture, 134P
Fragility, 1390P
Free radical polymerization, 2414C, 7585C
Free volume, 388P, 1991P, 2249P
Free-radical polymerization, 6575C, 8013C
Friction, 1773P
Frontal polymerization, 2177C, 3344C, 8091C
FT-IR, 1P, 373C, 558P, 861P, 1051C, 2145C, 2173P, 2577P, 6477C
FTIR, 344P, 668P, 734P, 1497P, 1502C, 1594P, 2433C, 3611C
Fuel cell membrane, 1792C
Fuel cells, 1684P, 4469C
Fulgimide, 7843C
Fullerene, 5194C
Fullerene-containing polymer, 6722C

Fullerenes, 3282C, 4249C, 6175C, 6722C
Functional chain ends, 278C
Functional polymer, 3682C
Functionalization, 6041C, 7187C, 7473C
Functionalization of polymer, 1427C
Functionalization of polymers, 54C, 912C, 936C, 1533C, 1607C, 1683C, 1738C, 1843C, 1852C, 1919C, 2296P, 2423P, 2459C, 2567C, 2936C, 2983C, 3014C, 3024C, 3375C, 3533C, 3813C, 3919C, 4236C, 4407C, 4542C, 5115C, 5414C, 6016C, 6023C, 6206C, 6365C, 6376C, 6393C, 6552C, 6672C, 6677C, 6978C, 7022C, 7207C, 7386C, 7773C, 7785C, 7827C, 7937C, 7950C, 8023C, 8070C, 8191C
Functionalized comonomer, 6393C
Fusion proteins, 1C

gauche, 668P
Gas permeation, 831P, 1734P, 1879P, 2485P, 2593P, 7937C
Gas sorption, 59P
Gel, 1412P
Gel network, 263P
Gel permeation chromatography, 238C, 444C, 897C, 1051C, 1826C, 1974C, 3367C, 3919C, 3938C, 5315C, 5568C, 6969C, 7483C
Gel permeation chromatography (GPC), 530C, 682C, 2307P, 2414C, 7091C
Gel–sol transition, 1954C
Gelatin, 1252P
Gelation, 353C, 1007P, 1318C, 1907C, 2581C, 2637P, 4122C
Gels, 28P, 80P, 238C, 263P, 322P, 353C, 473C, 1167P, 2637P, 3958C, 4175C, 4420C, 7556C
Gibbs-Thomson Equation, 2779P
Gigaporous, 5794C
Glass transition, 48P, 388P, 418P, 444C, 472P, 497P, 649P, 1390P, 1696P, 1952P, 2116P, 2155P, 2212P, 2326C, 2485P, 2630P, 2647P, 2733P, 2741P, 2754P, 2765P, 2799C, 4674C, 4935C, 4970C, 6851C
Glass transition strength, 1652P
Glass transition temperature, 612C, 1629C, 7785C
Glassy polymers, 2475P
Glassy state, 497P
Glycidyl methacrylate, 2193C, 2290C
Glyco-polymers, 7606C
Glycolic acid, 661C
Glycolysis, 433C
Glycopolymer, 817C, 3662C
Glycopolymers, 7238C
Gold, 912C
Gold nanoparticles, 4984C
GPC, 2575C, 6477C
Gradient copolymer, 5859C, 6151C, 6444C
Gradient copolymers, 1919C
Graft copolymer, 970C, 4766C, 6770C, 6907C
Graft copolymerization, 3306C
Graft copolymers, 155C, 341C, 362C, 506P, 547P, 564C, 702P, 1003C, 1594P, 1660P, 2335C, 3282C, 3533C, 3842C, 3911C, 4056C, 4320C, 4756C, 4889C, 5518C, 5559C, 5580C, 5638C, 6950C, 7173C, 7386C, 7606C, 7950C, 8023C
Graft polymers, 5742C
Grafting, 970C, 8023C
Grafting from, 4305C
Grafting polymer, 3926C
Grand Canonical Monte Carlo simulations, 8P
Green chemistry, 3024C, 5295C
GRIM, 7505C
Group transfer polymerization, 3958C, 4420C
Growth, 640P
Growth rate, 2431P
Grubbs' catalyst, 6851C
GTP, 3958C
Guaiacol, 6009C

H-shaped polymer, 4459C, 7138C
H-transfer, 6828C
Half-titanocene, 4725C
Haloform reaction, 3229C
Hard coat, 8149C
HDI, 1770C
Heat capacity, 2765P
Heck coupling, 5592C, 7702C
Helical, 12C
Helical conformation, 1925C
Helical structure, 4112C
Helical structures, 4183C
HEMA, 1450P
Hemiacetal ester, 1427C, 3673C, 3682C
Hemocompatibility, 3306C
Heparin, 7713C
Hetero 8-shaped copolymers, 6496C
Heteroatom-containing polymer, 2588C
Heteroatom-containing polymers, 1463P, 1974C, 2414C, 3353C, 4285C, 4935C, 6091C, 7566C, 7725C, 8179C
Heterofunctional linking agent, 3938C
Heterogeneous networks, 2557C
Heterogeneous polymers, 3673C
Heterograft copolymer, 6969C
Heterolytic, 5278C
Heteropolyacid, 691P
Heterotactic, 5698C
Hexadecene, 373C
Hexene, 373C
Hexyl acrylate, 3499C
Hg^{2+} ions, 1998C
Hierarchical structure, 2667C
High glass transition temperature, 2799C
High internal phase emulsions, 2357C
High performance liquid chromatography (HPLC), 5471C
High performance polymer, 2532P
High performance polymers, 958C, 3214C, 3282C, 5223C, 5776C, 6604C, 6780C, 7354C, 7868C, 7898C, 8159C
High PL quantum efficiency, 5242C
High pressure, 734P
High T_g, 7898C
High temperature materials, 2414C, 2581C, 5776C, 7566C, 7868C
High throughput screening, 383C
High-performance liquid chromatography (HPLC), 6664C
High-performance polymers, 7937C
High-speed melt spinning, 847P
High-throughput analysis, 1502C
High-throughput experimentation, 7138C
Highly branched, 1449C
Hofmann degradation, 1674C
Hoffman–Lauritzen theory, 121P
Hole fraction, 2249P
Hole-transporting, 5816C
Hole-transporting materials, 1566C
Hollow cylinder, 2601C
Hollow microspheres, 228C
Hollow structures, 3563C
Hologram, 636C
Holographic memory, 6734C
Homeotropic alignment, 5371C
Homochirality, 4637C
Homogeneous, 3306C
Homopolymers functionalization of polymers, 7249C
Honeycomb pattern, 1278C
Host-guest systems, 289P, 2296P, 2601C, 5202C, 650C, 7419C
Host-guest-systems, 5064C
Host–guest systems, 1114P, 1903P, 2305C
Hoveyda-Grubbs' catalyst, 2833C
HPLC, 4651C
HPMA, 5283C
Huisgen 1,3-dipolar cycloaddition, 155C

Huisgen reaction, 3853C, 7091C
Huisgen-1,3-dipolar cycloaddition, 4997C
Humidity, 4344C
Hybrid, 1984P, 3749C, 8149C
Hydrazine, 6255C
Hydrogel, 2667C, 5263C
Hydrogels, 383C, 710P, 743P, 782P, 1007P, 1450P, 1546P, 1713P, 1954C, 2193C, 2222C, 2567C, 2618P, 383C, 4420C, 4927C, 5295C, 6272C, 6317C, 6594C, 6630C
Hydrogen bond, 2556P, 3145C, 4575C, 5698C
Hydrogen bonding, 649P, 3108C, 3877C, 4691C, 692C
Hydrolysis, 4305C, 4794C
Hydrolytic stability, 2262C, 7074C
Hydrophilic monomers, 6660C
Hydrophilic polyester, 5167C
Hydrophilic polymers, 38C, 1607C, 2145C, 2404P, 4130C, 6263C, 7429C, 7566C
Hydrophobic content, 4420C
Hydrophobic initiator, 6594C
Hydrophobic interaction, 4681C, 4927C
Hydrophobicity, 4344C
Hydrosilylation, 21C, 2708C, 3546C
N-(Hydroxymethyl)acrylamide, 6142C
2-Hydroxy-3-methacryloyloxypropoxybenzene, 6165C
2-Hydroxyethyl methacrylate (HEMA), 3058C
3-(Hydroxyphenylphosphinyl)propionic acid, 2994C
Hydroxyl protection, 6978C
Hydroxypropyl cellulose, 2326C
Hydroxypropyl-β-cyclodextrin, 2193C
Hydroxypropylcellulose, 747C
Hyperbranched, 70C, 790C, 1034C, 1140P, 1388C, 1449C, 1525P, 1533C, 1730C, 2012P, 2049C, 2079P, 2166P, 2708C, 3424C, 3471C, 4218C, 4486C, 4785C, 4935C, 5077C, 5414C, 6023C, 6238C, 6688C, 668C, 6754C, 7543C, 7637C
Hyperbranched aromatic poly(ether-ester)s, 5414C
100% hyperbranched polymer, 2689C
Hyperbranched polymer, 1525P, 5036C, 5414C
Hyperbranched polymers, 552C, 2166P, 7628C, 7637C

Ibuprofen, 7429C
i-Butyl acrylate, 6542C
Imaging, 2267P
Imidazole, 2015C
Imidazole moiety, 2015C
Imidazolin-2-iminato ligands, 6064C
Immiscible morphology, 1265P
Immiscible PS/PET blends, 1348P
Immobilized catalyst, 1416C
Imprint lithography, 6238C
Impurity, 2456P
Inclusion chemistry, 879P, 1114P, 2296P
Inclusion complex, 782P, 879P
Indanimine, 489C
Indole, 5251C
Infrared spectroscopy, 649P, 668P, 734P, 1178C, 1602P, 1747P, 1903P, 3886C, 7162C
Inhibition/retardation, 2500C
Iniferter, 4505C
Initialization period, 2500C
Initiator, 3648C
Initiators, 2049C, 2891C, 3344C, 3519C, 4352C, 4630C, 6071C, 6082C, 6828C, 7011C
Inner-sphere, 146C
Inorganic materials, 631P
Inorganic polymers, 4594C, 7677C
Inorganic–organic diblock copolymer, 4594C
In situ Condensation, 4433C
In situ Polymerization, 2279P, 2755C, 5390C
In-situ Polymerization, 201P
Interaction, 2326P
Interaction energy, 1131P
Interaction parameter, 2556P
Intercalated, 2279P, 3619C
Intercalation, 1811P
Interface, 2754P
Interfaces, 431P, 649P, 1505P
Interfacial interaction, 2022P
Interfacial polymerization, 6041C
Interfacial viscosity, 1505P
Interionic distance, 4265C
Interpenetrating networks (IPN), 1696P
Inverse emulsion polymerization, 2255P
Inverse gas chromatography, 2166P
Inverted emulsion polymerisation, 1051C
in vitro, 7713C
Iodoniumonium salt, 5194C
Ion, 2022P
Ion exchange capacity, 3860C
Ion exchange resin, 1416C
Ion exchangers, 2335P, 4151C, 4479C, 5133C
Ion pairs, 4265C
Ionic bond, 5805C, 7667C
Ionic conductivity, 2249P, 4218C
Ionic diameter, 4265C
Ionic liquid, 2701C, 3766C, 3853C, 5123C, 5724C
Ionic liquids, 1460C, 4070C, 6961C, 7225C
Ionic strength, 547P
Ionomer, 989C
Ionomers, 1P, 925P, 1586C, 1602P, 2994C, 3860C, 4469C, 5431C, 5991C, 6365C
IR thermal image, 2177C
Iridium complex, 631P
Iridium(III) complex, 7419C
Iron, 585C
Iron acetylacetonate, 1611P
Iron catalyst, 6358C
Iron complex, 6819C
Iron halide, 2922C
Iron oxide, 327C, 727P, 1291P
Irradiation, 481C, 636C, 861P, 1094P, 1710C, 2212P, 2485P, 3900C, 4712C, 5559C
Isoconversional analysis, 2234P
Isoconversional methods, 121P
L-Isoleucine, 353C
Isomer/isomerization, 619P, 2858C
Isomerization, 844C, 1105P, 7843C
N-Isopropylacrylamide, 1713P, 6142C
Isosteric heat of sorption, 8P
Isotactic, 38C, 1476C, 1738C, 5461C
Isotactic polypropylene, 911P, 1183P, 1725P, 2188P
Isothianaphthene, 3573C
Isothermal crystallization, 2234P
Isothermal crystallization kinetics, 158P, 1478P
Isothermal degradation kinetics, 1207P, 2367C

Kinetic, 3766C
Kinetic (polym.), 3766C
Kinetic investigation, 4804C
Kinetics, 1594P, 2155P, 2477C, 2647P, 2701C, 2833C, 3155C, 3182C, 3519C, 5506C, 6333C, 6828C
Kinetics (polym.), 146C, 564P, 830C, 831P, 1022P, 1402C, 1460C, 1762P, 1873C, 1923P, 2177C, 2201P, 2347C, 2500C, 2630P, 2766C, 2891C, 3314C, 3433C, 3638C, 3926C, 4352C, 5214C, 6071C, 6114C, 6346C, 6542C, 6552C, 6621C, 6880C, 6928C, 7011C, 7273C, 7585C, 7773C, 7868C, 8091C
Kinetics and mechanism, 3433C
Kosmotropes, 2307P

Lactones, 1229C, 3088C
β-Lactoglobulin, 1007P
Lamellar fragmentation, 1202P

Lanthanum isopropoxide, 5214C
Laser drawing, 2126P
Laser flash photolysis, 4905C
Laser-induced polymers, 3783C
Latices, 912C, 5734C
Lattice cluster theory, 791P
Lattice matching, 1067P
Lattice-fluid theory, 1131P
Lattices, 1470C
Layer growth, 1252P
Layer structure, 534P
Layered double hydroxide, 2222P
Layered double hydroxides, 1207P
LB film, 534P
LB films, 3367C
LC ionophoric copolymer, 6532C
LCST, 186C, 668C
Lectins, 7238C
Lewis acid, 1427C, 2864C, 3673C, 5499C
Lewis base, 4451C
Ligands, 1066C
Light emitting diodes (LED), 4407C
Light scattering, 186C, 244P, 547P, 1390P, 1515P, 1826C, 1923P, 2090P, 4681C, 4748C
Light-emitting diodes, 464C, 1105P, 1349C, 1843C, 3150C, 4866C, 5180C, 5592C, 6762C, 7517C, 7702C, 7725C
Light-emitting diodes (LED), 70C, 453C, 790C, 979C, 1098C, 1463P, 1566C, 2367C, 3007C, 3703C, 5616C, 6051C, 7148C, 7268C, 7861C,
Light-emitting diodes (LEDs), 7960C
Light-emitting diodes (OLED), 2395P
Light-emitting materials, 5414C
Light-emitting polymer, 8141C
Linear, 7637C
Linear dendritic, 5295C
Linear low-density polyethylene, 506P, 1577P
Linear polarizer, 4712C
Linear polymers, 127C
Linear PP, 148P
Linear-dendritic copolymers, 958C, 3802C
Linker structure, 117C
Linseed oil, 6851C
Liquid, 5194C
Liquid chromatography, 6828C
Liquid crystal, 4363C, 6565C
Liquid crystalline, 777C
Liquid crystalline epoxy, 552C
Liquid crystalline materials, 1463P
Liquid crystalline polymer, 5371C, 6734C
Liquid crystallinity, 3591C
Liquid crystals, 1369P, 4691C
Liquid-crystalline, 3140C
Liquid-crystalline epoxy, 7637C
Liquid-crystalline polyesters, 552C
Liquid-crystalline polymer (LCP), 6214C, 6565C, 7310C
Liquid-crystalline polymers (LCP), 552C, 1463P, 2960C, 4442C, 4712C, 5101C, 5528C, 5752C, 5760C, 6532C, 6688C, 6801C, 7173C, 7637C, 7861C
Liquid–liquid interface, 3257C
Lithium ion battery, 7913C
Lithography, 3783C, 7534C
Living polymerization, 278C, 625C, 753C, 897C, 936C, 1000P, 1165C, 1416C, 1629C, 1902C, 1913C, 2202C, 2212C, 2233C, 2701C, 2869C, 2922C, 3155C, 3174C, 3282C, 3314C, 3438C, 4193C, 4392C, 4495C, 4505C, 4630C, 4734C, 4804C, 4917C, 5724C, 5859C, 6129C, 6151C, 6333C, 6358C, 6444C, 6542C, 6604C, 6703C, 6746C, 6928C, 7376C, 8049C
Living radical polymerization, 1533C, 3068C, 4594C, 5663C, 6238C, 6819C, 6828C, 6983C, 7280C, 7376C
Living radical polymerization (LRP), 60C, 146C, 194C, 1945C, 2015C, 3756C, 4984C, 6346C, 6542C, 6575C, 7200C, 7447C, 7621C
Long chain branching, 1669P
Long-chain branch, 441P
Low critical solution temperature behavior, 1923P
Low dielectric constant, 4949C, 7868C
Low shrinkage, 725C
Low surface-energy coatings, 218C
Lower critical solution temperature, 7138C
Lubricant additives, 3014C, 7225C
Lucentite STN, 2173P
Luminance, 3573C
Luminescence, 289P, 501C, 631P, 1098C, 1566C, 1586C, 1843C, 2025C, 2395P, 2485P, 2754P, 2948C, 3120C, 3193C, 3749C, 4407C, 4866C, 5180C, 5242C, 5483C, 7419C, 7517C, 7861C, 7960C
Luminescent, 5616C
Lysine, 4175C, 661C

Macro molecular design via the interchange of xanthates (MADIX), 5604C
Macrocycle, 7002C
Macrocycles, 2108C, 2370P, 3732C, 4012C, 6229C, 6496C, 8049C
Macroiniferter, 6272C
Macroinitiator, 102C, 2422C, 2488C, 2658C
Macromonomer, 3433C
Macromonomers, 38C, 2640C, 3533C, 4704C, 5202C
Macrophotoinitiator, 5404C
Macroporous polymer, 6594C
Macroporous polymers, 21C, 2222C, 2557C, 6165C, 7950C
Magnetic polymers, 203C, 327C, 1014C, 2418P, 3900C, 5123C
Magnetic properties, 233P, 1571P
Main-chain/side-chain liquid crystalline polymer, 7310C
MALDI, 830C, 851C, 1111C, 1683C, 2049C, 2145C, 2445C, 2488C, 3756C, 6229C, 6961C
MALDI-TOF, 3732C, 3869C, 4012C, 4777C
Maleic acid, 1149P
Maleic anhydride, 2936C
Maleimide, 302C
Mark–Houwink–Kuhn–Sakurada parameters, 897C
Mass spectrometry, 861P, 1873C, 3433C, 4542C, 4617C, 6071C, 7258C, 7447C, 7585C
Mathematical model, 4081C
MDO, 607P
Mechanical properties, 28P, 48P, 201P, 297P, 497P, 803C, 900P, 1062P, 1226P, 1243P, 1770C, 1952P, 1966P, 2404P, 2475P, 2485P, 2605P, 2667C, 2765P, 5708C, 6565C, 6630C, 7566C
Mechanical property, 938P
Mechanical spectroscopy, 1390P
Mechanochemistry, 938P
Medium composition, 3638C
Melt, 1669P
Melt polymerization, 1770C, 2445C
Melt processing, 2605P
Melt rheology, 958C
Melt-mixing, 201P
Melting, 2431P
Melting behavior, 798P, 818P
Melting behaviors, 911P
Melting point, 2779P
Melting point depression, 2779P
Membrane, 1758C, 5559C
Membrane inflation, 1952P
Membrane osmometry, 3938C
Membranes, 148P, 257C, 691P, 1589P, 2485P, 3860C, 3947C, 5850C
Memory function, 3591C
Mercury method, 1559C
Mesogen-jacketed liquid crystalline polymer, 7310C
Mesophase, 2647P
Mesophase temperature, 5752C

Metal nanoparticles, 1515P
Metal polyynes, 3193C
Metal-organic catalysts/ organometallic catalysts, 54C, 1066C, 2858C, 4193C, 7299C, 7773C
Metal-polymer complexes, 93C, 912C, 1149P, 1305C, 1862C, 3429C
Metallocene, 1476C, 6393C
Metallocene catalysts, 33C, 267C, 373C, 947C, 1185C, 1488C, 1738C, 2167C, 4725C, 6064C, 6393C, 7411C
Metallocomplexes, 7702C
Metallopolymers, 3193C
Metathesis, 2593C, 3992C
Methacrylates, 6660C
Methacrylic acid, 7138C
Methacrylic acid (MAA), 2277C
2-Methacryloyloxyethyl phosphorylcholine, 3306C
Methanol permeability, 989C
p-Methoxystyrene polymerization, 6928C
Methyl acrylate, 4917C, 6880C
Methyl methacrylate, 564C, 6333C
4-(1-Methyl-1-mesityl-3-cyclobutyl)-2-N-1, 3-thiazole-2-yl methacrylamide (MCTMA), 530C
Methylaluminoxane, 33C, 2186C
6-(4-Methoxy-4-oxy-azobenzene) hexyl methacrylate, 777C
$MgCl_2$-supported catalysts, 5461C
Micelle, 782P, 3048C, 3740C
Micelle formation, 85C
Micelles, 194C, 1025C, 1388C, 1536P, 1954C, 2084C, 2212C, 2379C, 2477C, 2672P, 2734C, 2833C, 3429C, 3563C, 3690C, 4320C, 4756C, 4830C, 5028C, 5295C, 5442C, 5859C, 6151C, 7127C, 7187C, 7321C, 7491C, 7739C
Micellization, 5859C
Microcellular foam, 1641P
Microdeformation, 92P
Microelectronic applications, 2799C
Microemulsion, 6983C
Microemulsion polymerization, 4522C
Microencapsulation, 1749C, 2309C, 2566P, 4564C
Microenvironment, 2309C
Microgels, 771P, 2510C, 2766C
Micromechanical modeling, 2404P
Micropattern, 1280P
Micropatterning, 6789C
Microphase separation, 85C
Microphase-separated structure, 1902C
Microscopy, 138C
Microspheres, 1192C, 1329C, 6263C
Microstructure, 72P, 721P, 771P, 938P, 1249C, 1571P, 1734P, 1820P, 2054P, 2090P, 2143P, 2347C, 4151C, 4704C, 6604C, 7585C
Microstructures, 2456P
Microwave irradiation, 3207C, 4804C
Mid-chain radicals, 7585C
Migration, 1976P
Migration stability, 3648C
Miktoarm star polymers, 1218C, 6703C
Mini-emulsion, 6983C
Miniemulsion, 2433C
Miniemulsion polymerization, 327C, 5839C, 6114C, 6407C, 8081C
Miscibility, 791P, 1131P, 1360P, 1669P, 2012P, 2556P, 7419C
Mixed micelle, 7491C
Mixed solvents, 6594C
Mixing, 677P
Mo heterogeneous catalysts, 2593C
Mobility, 5115C
Model conetworks, 4997C
Modeling, 80P, 483P, 607P, 971P, 1226P, 1449C, 2249P, 2319P
Modification, 1203C, 4857C, 5077C, 5431C, 5568C, 5794C, 6722C, 7238C, 8023C
Modulus, 431P, 2443P, 6630C
Moisture resistance, 7868C
Molar mass distribution, 1577P, 7114C
Molecular aggregation, 3241C
Molecular design, 453C
Molecular dynamics, 917P, 1062P, 1258P, 1683C, 3795C
Molecular dynamics simulation, 370P
Molecular dynamics simulations, 272P
Molecular mass between crosslinks, 1713P
Molecular mobility, 497P
Molecular modeling, 59P, 5663C
Molecular modification, 710P
Molecular motion, 472P
Molecular orbital calculations, 1463P
Molecular orientation, 558P
Molecular recognition, 1C, 6664C, 7238C
Molecular weight distribution, 872C, 897C, 5315C, 5839C, 6612C
Molecular weight distribution/ molar mass distribution, 936C, 1913C, 2212C, 3433C, 3638C, 7273C, 7925C
Molecular-weight distribution, 2177C
Monofunctional, 1632P
Monolayers, 1773P
Monolith, 4651C
Monomer, 1919C, 3452C
Monomer activator, 2084C
Monomer reactivity ratios, 530C
Monomer synthesis, 7566C
Monomers, 1369P, 1638C, 2049C, 2897C, 4674C, 6165C, 7566C
Monte Carlo, 4486C
Monte Carlo simulation, 2370P, 2696P, 2711P, 6114C, 7925C
Montmorillonite, 1036P, 2279P, 2519P
Montmorillonite clay, 28P, 190P
Morphology, 16P, 182P, 223P, 329P, 472P, 631P, 727P, 818P, 900P, 959P, 1014C, 1022P, 1036P, 1067P, 1079P, 1203C, 1243P, 1265C, 1278C, 1291P, 1376P, 1400P, 1412P, 1505P, 1562P, 1577P, 1594P, 1619P, 1674C, 1734P, 1802P, 1820P, 1891P, 1997P, 2047P, 2062C, 2188P, 2234P, 2286P, 2341P, 2519P, 2593P, 2605P, 3563C, 3860C, 3947C, 4151C, 4584C, 4651C, 4889C, 6296C, 7332C
Multi-walled carbon nanotube, 158P
Multi-walled carbon nanotubes, 727P, 2286P, 4857C
Multiblock, 4785C
Multiblock copolymers, 3947C, 7332C
Multiblock multicomponent polymers, 3938C
Multiferroic nanostructures, 2418P
Multifunctional, 6532C
Multiwall carbon nanotube, 2255P
Multiwalled carbon nanotube, 182P, 6041C
Multiwalled carbon nanotubes, 472P, 1235P, 7187C
MWNT, 1619P

Nano-DMA, 281P
Nanocapsule, 4879C
Nanocomposite, 344P, 727P, 1291P, 1820P, 1891P, 2341P, 2532P, 4433C
Nanocomposites, 28P, 47C, 158P, 182P, 190P, 351P, 472P, 564P, 668P, 702P, 766C, 803C, 807P, 857P, 900P, 979P, 989P, 1022P, 1079P, 1121P, 1207P, 1235P, 1243P, 1265C, 1265P, 1301P, 1437P, 1529P, 1546P, 1571P, 1696P, 1699C, 1719C, 1747P, 1802P, 1811P, 1837P,

1939P, 2062C, 2064P, 2143P, 2173P, 2222P, 2234P, 2255P, 2279P, 2286P, 2335P, 2357C, 2380P, 2418P, 2539P, 2577P, 2593P, 2605P, 2618P, 2632C, 2683P, 2719P, 2733P, 2755C, 2765P, 3471C, 3619C, 3900C, 3926C, 4857C, 5014C, 5157C, 5390C, 5702C, 5708C, 6035C, 6185C, 6296C, 6896C, 6950C, 7114C, 7287C, 8081C, 8112C, 8149C
Nanocontainer, 650C
Nanofiber, 558P
Nanofibers, 1280P, 1611P
Nanofil, 1837P
Nanoheterogeneity, 48P
Nanolayers, 47C, 1773P, 1837P, 2741P, 2754P
Nanomagnetite, 6780C
Nanomechanics, 1952P
Nanoparticle, 2119C, 7578C
Nanoparticles, 1C, 327C, 341C, 481C, 702P, 743P, 817C, 1036P, 1121P, 1301P, 1430P, 1470C, 1699C, 1802P, 1976P, 1984P, 2047P, 2097C, 2267P, 2536C, 2581C, 2658C, 2755C, 3375C, 3690C, 3911C, 3926C, 4070C, 4218C, 4522C, 4984C, 6206C, 6263C, 6712C, 6872C, 6896C, 740C, 7656C, 7809C, 7816C
Nanophase, 2647P
Nanopore, 843P
Nanopores, 1280P
Nanoporous, 1964C
Nanoprecipitation technique, 625C
Nanoreactor, 2097C
Nanotechnology, 305P, 460P, 472P, 640P, 1611P, 1964C, 2601C, 6041C, 7473C
Nanotube, 1042C
Nanowires, 2064P
Narrow band gap polymers, 4285C
Narrow bandgap polymers, 4038C
Natural rubber, 2456P
Near-infrared electroluminescence, 3007C, 7411C
Negative-type, 4949C
Neodymium catalyst, 4050C
Neopenthyl glycol, 818P
Network, 2612C
Networks, 233P, 353C, 1226P, 1589P, 1713P, 1810C, 2064P, 2581C, 4254C, 4420C, 4935C, 4997C, 7868C
Neutron scattering, 1660P, 2556P, 2803P
NEXAFS spectroscopy, 534P
Ni(II), 2858C
Nickel, 489C
Nickel(II), 1618C
NIR device applications, 3723C
Nitric acid response, 710P
Nitroaromatics, 4637C
Nitroxide, 6333C, 6828C, 8049C
Nitroxide mediated polymerization, 1165C
Nitroxide mediated radical polymerization, 4459C, 6703C
Nitroxide-mediated polymerization, 2624C
Nitric acid response, 710P
Nitroxide, 6333C, 6828C, 8049C
Nitroxide-mediated radical polymerization, 1218C
NLO, 1140P, 2072C, 2983C, 3078C, 4529C, 5064C, 5202C, 5702C, 7401C
NMR, 830C, 857P, 879P, 926C, 947C, 1062P, 1105P, 2186C, 2347C, 2500C, 2689C, 2936C, 3058C, 3182C, 3830C, 3869C, 3919C, 3938C, 4542C, 4704C, 4725C, 5568C, 6393C, 6477C, 6654C, 6828C, 6880C, 7091C, 7280C, 747C, 7913C
NMR spectroscopy, 4236C
Nonchemically amplified, 7534C
Noncovalent interaction, 4637C
Noncrystalline polymers, 2765P
Nonisocyanate, 2445C
Nonisothermal crystallization, 925P, 2234P
Nonisothermal crystallization kinetics, 2201P
Nonlinear optics, 2983C
Nonlinear polymer, 4459C
Nonlinear polymers, 2201P
Nonmetallocene, 33C
Norbornene, 93C, 2640C, 7395C
Norbornene polymerization, 1185C, 7411C
Novel crosslinking agent, 2667C
Nucleating agent, 577P, 1067P, 1725P
Nucleation, 311P, 912C, 1183P, 1478P, 1556P, 1725P
Nucleation control, 1094P
Nucleophilic substitution, 4236C
Number of active sites, 6621C
Nylon, 857P, 1360P, 6041C
Nylon 6, 158P, 2201P
Nylon 610, 6041C

Octafunctional cubic silsesquioxane, 766C
OLEDs, 3150C
Oligo(ethyleneglycol), 7138C
Oligo(ethylene glycol) methyl ether methacrylate, 7739C
Oligofluorene, 70C
Oligomer, 1192C, 1598C, 1618C
Oligomers, 70C, 418P, 585C, 1124C, 1548C, 1618C, 1907C, 1925C, 3214C, 4103C, 4122C, 5330C, 5977C, 7491C, 7794C
Oligonucleotide, 7491C
OMAN071, 5194C
On-line measurement, 847P
On–off release, 1749C
One-pot technique, 7091C
One-step synthesis, 3058C
Open-cell foams, 212P
Ophthalmology, 383C
Optical activity, 1025C
Optical limiting, 4529C
Optical properties, 4383C, 5414C, 5760C, 7462C
Optical-limiting, 2072C
Optics, 949P, 1121P, 1235P, 4383C, 5616C, 8117C
Optoelectronic, 1548C
Optoelectronics, 4602C
Order–disorder transition temperature, 329P
Organic light emitting diode, 7882C
Organic light-emitting diodes, 2367C
Organic modifier, 989P
Organic solar cells, 138C, 2680C
Organic solvents, 5724C
Organic–inorganic, 1699C
Organic–inorganic polymers, 7913C
Organized molecular films, 534P
Organoclay, 1022P, 1036P, 1301P, 1811P, 2173P, 3619C, 7114C
Organoclay-photocurrent, 47C
Organogels, 353C
Organometallic catalysts, 585C, 1240C, 2776C, 5133C
Orientation, 92P, 272P, 297P, 406P, 607P, 847P, 1376P, 1430P, 1903P, 1966P, 4712C
Ornithine, 4175C
Orthopedics, 383C
Osmotic pressure, 2803P
OTFT, 5115C
Outer-sphere, 146C
Oxa-norbornene, 6672C
Oxadiazole, 2072C, 5592C, 7173C
Oxazoline, 1025C
Oxazolines, 4777C
Oxetane, 7835C
Oxetanes, 2459C
Oxidation, 6255C
Oxidative coupling, 1034C
Oxidative polymerization, 5115C
Oxirane, 5194C
Oxo-bridged dimeric complexes, 3396C
2-Oxazolines, 4804C
Ozonolysis, 3229C

PA6/clay nanocomposites, 1802P
PAA-*b*-PNIPAM, 5028C
Palladium, 2119C, 5133C, 7816C
Palladium-catalyzed phosphonation, 5431C
PAMAM dendrimers, 1083C

PAMAM dendrons, 1083C
PAN precursor, 1997P
Parity violation, 4637C
Particle nucleation, 872C, 1014C, 1301P, 3638C, 4522C, 6114C, 6407C, 6612C, 8081C
Particle size, 3638C, 4522C
Particle size distribution, 228C, 872C, 1329C, 1719C, 4070C, 6407C, 6612C
PBT-analogues, 5167C
PCL, 817C, 3629C
PDLC, 3140C
PE-*b*-PEO, 506P
PEDOT, 3150C
PEEK, 1094P, 2212P
PEG, 2249P, 3629C
Pendant phenoxyamine group, 5776C
Penetrated polymerization, 1577C
Pentablock quintopolymers, 3938C
2-Pentene, 2858C
Penultimate effect, 1165C, 1559C
Peptides, 1042C, 2525C, 2864C, 3068C, 4927C, 5381C, 5471C, 7985C
Percolation, 2064P
Perfluorinated polymers, 7287C
Perfluoropolyether surfactant, 257C
Permeability control, 1749C
Peroxydicarbonates, 6071C
Perylene, 2025C
Perylene bisimide, 1932P
PET, 433C
PET-analogues, 5167C
PFSA membranes, 2404P
pH regulation, 8081C
pH sensitive, 3740C
pH-sensitive, 1713P, 4332C
pH-sensitive hydrogels, 1954C
γ-Phase, 857P
Phase behavior, 60C, 92P, 186C, 452P, 607P, 949P, 1131P, 1923P, 2296P, 2355P, 2779P, 2803P, 4140C, 5101C, 5752C, 5839C, 7310C
Phase changing, 2309C
β-Phase crystal, 558P
Phase diagram, 2355P
Phase diagrams, 1131P, 2309C
Phase morphology, 138C
Phase separation, 138C, 223P, 344P, 515C, 1400P, 1598C, 1923P, 1964C, 2012P, 2047P, 2296P, 3272C, 3860C, 4392C, 4651C, 5471C, 5724C
Phase transfer catalysis, 3229C, 4236C
Phase transition, 2022P, 2803P
Phase-transition, 7225C
Phenacyl, 2347C
Phenol, 692C, 7376C
Phenothiazine derivatives, 4285C
Phenoxy, 223P
N-{*o*-(4-Phenyl-4,5-dihydro-1,3-oxazol-2-yl)-phenyl}maleimide, 1025C
6-(4-phenylazophenoxy)hexyl methacrylate, 5652C
Phenylbenzo-thiazole, 6688C
p-Phenylene ethynylene, 6477C
Phenylenevinylene, 7702C, 8141C
3-Phenylethynyl phthalic anhydride, 4227C
(phenylthio)acetic acid, 8013C
Phosphate macromonomers, 327C
Phosphine oxide-bridged bisphenolato ligand, 7062C
Phosphonated methacrylate, 4794C, 7972C
Phosphonated styrene–ethylene/butylene–styrene (SEBS) block copolymer, 5431C
Phosphonic acid, 7074C
Phosphonium salt, 8013C
Phosphorescence, 631P, 5180C, 7517C
Phosphoric acid, 830C
Phosphorous-containing, 5752C
Photo crosslinking, 6789C
Photo-cross-linking, 4712C
Photo-induced birefringence, 682C
Photo-isomerization, 6734C
Photo-polymerization, 8191C
Photoacid generator, 4949C
Photoactive liquid-crystalline polymers, 7637C
Photoactive polymers, 552C, 7505C
Photochemistry, 289C, 1289C, 3783C, 3820C, 5371C, 5616C, 6532C, 7369C, 7534C, 7843C
Photochromic, 6532C
Photocoloration, 7843C
Photodecoloration, 7843C
Photodimerization, 5760C
Photoinduced orientation, 4712C
Photoinitiator, 1710C, 3648C
Photoisomerization, 1289C, 5760C
Photoluminescence, 631P, 1463P, 4258C, 7173C, 7419C, 7517C
Photoluminescent, 7882C
Photoluminescent property, 6688C
Photooxidation, 8013C
Photophysical, 4584C
Photophysical property, 4513C
Photophysics, 501C, 631P, 790C, 1305C, 1402C, 2754P, 4249C, 4584C, 5592C, 7702C
Photopolymerization, 174C, 289C, 344P, 1329C, 1369P, 1450P, 1502C, 2008C, 2090P, 2290C, 2319P, 3042C, 3214C, 3452C, 3482C, 3519C, 3648C, 3766C, 3783C, 3820C, 4265C, 4344C, 4505C, 4651C, 4905C, 5194C, 5404C, 6185C, 6238C, 6916C, 7074C, 7369C, 8149C, 8191C
Photoreactive effect, 2423P
Photoreactive effects, 552C, 4712C, 5371C, 5760C, 7843C
Photorefractive composite, 1783C
Photorefractive effect, 1783C
Photoresists, 4949C, 5760C, 7534C
Photoresponsive behavior, 5626C
Photosensitive polymer, 4949C
Photosensitivity, 6185C
Photovoltaic, 2025C
Photovoltaic cells, 4285C, 7702C
Phthalazinone, 989C
Phthalcon, 1079P
Physical crosslinking, 6272C
Pickering emulsion polymerization, 2632C
Piezoresistivity, 1050P
PLA, 2630P
Planar alignment, 5371C, 6872C
Plasmon band, 3429C
Plasticization, 1879P
PLGA, 4704C
PLLA, 1376P, 2355P
Pluronic F127, 3029C, 5283C
PMMA, 751P, 751P, 1365C, 2355P
PMMA-grafted dextran, 7606C
PNIPAM, 186C
PNLC, 3140C
Polar group, 6129C
Polar monomer, 5542C
Polarized light transmittance, 1749C
Polarized optical microscopy, 1183P, 1725P
Polyacetylene, 2072C
Polyacetylenes, 2025C, 2593C, 2776C, 2960C, 4112C, 4175C, 4183C, 4529C, 5483C, 8070C
Polyacrylamide, 710P, 1674C, 2222C
Polyacrylate/clay, 2335P
Polyacrylates, 278C, 2745C, 3174C, 3774C
Polyacrylic acid/clay, 2335P
Poly(acrylic acid), 1402C
Polyacrylonitrile, 1611P, 1674C, 5404C
Polyamide, 201P, 1820P
Polyamide 6, 4766C
Polyamide-6, 857P
Polyamides, 314C, 530C, 1083C, 1529P, 1734P, 2035P, 2605P, 2649C, 3756C, 4122C, 6255C, 7049C, 7354C, 7566C, 8159C
Polyamidoamine (PAMAM) dendrimers, 2201P
Poly(amidoamine) dendrons, 4584C
Polyamines, 1083C
Polyampholyte, 1252P
Polyaniline, 12C, 2255P, 2443P
Poly(arylene-vinylene), 6051C

Polyaromatics, 2549C, 6009C, 8179C
Polyazomethines, 1862C
Polybenzimidazoles, 5776C
Polybenzoxazine, 414C, 6780C
Polybenzoxazines, 3353C, 6091C
Polybenzoxazole fibers, 8159C
Poly(γ-benzyl-L-glutamate), 2649C
Poly(bisphenol A carbonate), 4959C
Poly(butylene succinate), 925P, 4433C
Polybutadiene, 3919C
Poly(1,4-butylene adipate), 892P
Polycarbazole, 5232C
Polycarbonates, 734P, 1151C
Poly(carbonate urethane), 344P
Polycarbonates, 497P, 843P, 1062P, 1852C, 3128C, 4451C, 4959C, 6102C, 6810C, 7022C
Poly(ε-caprolactone), 1136C, 1218C, 2108C, 4459C, 4997C, 6455C, 6496C, 7757C
Poly(caprolactone), 6285C
Polycarbosilane, 725C, 7677C
Polycation, 547P
Poly(cholesteryl methacrylate), 6801C
Polycondensation, 543C, 753C, 830C, 1034C, 1203C, 1388C, 1566C, 1598C, 2250C, 2445C, 2525C, 2649C, 2689C, 2864C, 2975C, 3714C, 3732C, 3947C, 4030C, 4122C, 4130C, 4258C, 4556C, 4785C, 5053C, 5077C,6053C, 6255C, 6552C, 661C, 6654C, 6861C, 692C, 7342C, 7913C, 7937C, 8112C
Polycyanurate, 1036P
Poly(1,3-cyclohexadiene), 3282C, 6604C
Poly(2-(diethylamino)ethyl methacrylate), 3294C
Poly(2,6-dimethyl-1,4-phenylene ether), 3985C
Poly(*N*,*N*-dimethylamino-2-ethyl methacrylate), 4997C
Polydimethylsiloxane, 174C
Poly(*p*-dioxanone), 1178C, 3207C
Polydispersity index, 897C
Polyelectrolyte, 1058C, 1758C
Polyelectrolyte gel, 2803P
Polyelectrolytes, 547P, 1149P, 2465P, 2803P, 4151C, 4305C, 4681C, 7913C
Polyester, 851C, 1022P, 1598C, 2084C, 6435C, 6978C
Polyester-amide, 6565C
Poly(ester amide), 661C, 3182C, 6376C
Polyester-ethers, 7258C
Polyesterase, 6435C
Polyesters, 121P, 433C, 460P, 552C, 619P, 830C, 847P, 900P, 925P, 1151C, 1203C, 1249C, 1497P, 2126P, 2234P, 2300C, 2380P, 2431P, 2459C, 2539P, 2549C, 2721C, 2869C, 2891C, 2994C, 3985C, 4050C, 4092C, 414C, 4243C, 4352C, 4617C, 4704C, 5077C, 5167C, 5214C, 5414C, 5568C, 5752C, 5760C, 6229C, 6376C, 6466C, 6552C, 6565C, 6688C, 7543C, 7919C
Polyether, 6978C
Polyether-ester, 6565C
Poly(ether ketone), 2079P
Poly(ether ketones), 1792C, 7002C
Poly(ether-ketone)s, 3860C, 3471C
Poly(ethersulfone), 612C
Poly(ether sulfone), 3947C, 7332C
Poly(ether sulfones), 59P, 1792C, 4785C
Poly(ether-sulfone)s, 6365C
Polyethers, 2250C, 3732C, 3802C, 6861C, 6961C, 7091C, 7386C, 7556C
Poly(ethyl cyanoacrylate), 7809C
Polyethylene, 33C, 54C, 211C, 212P, 272P, 359P, 370P, 1556P, 1820P, 2143P, 3411C, 5315C, 5542C, 5816C, 6940C
Polyethylene (PE), 947C, 1202P, 1301P, 1488C, 1618C, 1684P, 3396C, 3830C, 5330C, 5390C, 6064C, 6621C
Polyethylene (PE) blends, 1669P
Polyethylene glycol, 2477C
Poly(ethylene glycol), 302C, 1218C, 2084C, 3024C, 3802C, 4459C, 6455C, 7556C, 7809C, 8206C
Poly(ethylene glycol) monomethyl ether, 1025C
Polyethylene/clay nanocomposite, 2593P
Polyethylene oxide, 253P
Poly(3,4-ethylenedioxythiophene), 6872C
Poly(ethylene imine)-*graft*-poly-(ethylene oxide), 2296P
Poly(ethylene oxide), 452P, 1136C, 1903P, 2624C, 2640C, 8170C
Poly(ethylene oxide-*b*-dimethylsiloxane), 452P
Poly(ethylene terephthalate), 223P, 668P, 807P, 2126P, 2380P, 3985C, 6435C
Poly(ethylene terephthalate) (PET), 989P
Polyfluorene, 453C, 464C, 753C, 886C, 3573C
Poly(fluorenyl-ethynylene)s, 1932P
Poly(fumarate)s, 5101C
Poly(glutamic acid), 4140C
Poly(glycidol), 2488C
Poly(glycidyl methacrylate), 5826C
Polyhedral oligomeric silsesquioxane, 526P, 5157C, 7287C
Polyhedral oligomeric silsesquioxane (POSS), 1762P, 7049C
Poly(hexamethylene carbonate) diol, 1770C
Poly(3-hexylthiophene), 8200C
PolyHIPE, 21C, 5708C
Polyhydroxyamide, 8159C
Polyhydroxybutyrates, 4103C
Poly(hydroxyethyl methacrylate), 7950C
Poly(2-hydroxyethyl methacrylate), 6801C
Poly(3-hydroxybutyrate), 1207P
Polyimide, 803C, 2532P, 5157C
Polyimides, 59P, 659P, 1510C, 1879P, 3078C, 4469C, 5064C, 6296C, 7937C, 8117C, 8170C
Polyimines, 2296P
Polyion, 3842C
Poly(isobornyl acrylate), 1649C
Polyisobutylene, 936C, 1390P, 2612C, 3229C, 4236C
Polyisoprene, 1964C, 2456P
Poly(*n*-isopropylacrylamide), 47C
Poly(*N*-isopropylacrylamide), 314C, 1546P, 3294C, 4140C, 7049C
Polyketones, 958C
Polylactic acid, 6489C
Poly(lactic acid), 3714C
Poly(L-lactic acid), 6425C
Polylactide, 6466C
Poly(L-lactide), 2222P, 4433C, 5580C
Polylysine, 5053C
Polymer, 692C
Polymer blend, 1376P
Polymer brushes, 7713C
Polymer crystallization, 311P
Polymer dispersed liquid crystal (PDLC), 2090P
Polymer dissolution, 253P
Polymer electrolyte, 751P, 751P
Polymer electrolyte membrane, 5559C
Polymer electrolytes, 2249P
Polymer end-group degradation, 7447C
Polymer light-emitting diode (PLED), 7173C
Polymer liquid crystal, 4712C
Polymer loops, 7656C
Polymer matrix, 2485P
Polymer memory, 6861C
Poly(methacrylic acid), 2335C
Poly(methyl methacrylate), 302C, 631P, 766C, 1218C, 4459C

Poly(methyl methacrylate) (PMMA), 7447C
Poly(*n*-methyl methacrylimide), 1923P
Poly(α-methyl styrene), 418P
Polymer nanocomposite, 1837P
Polymer nanocomposites, 1079P, 2418P
Polymer network, 1562P, 2779P
Polymer networks, 3958C
Polymer organogelator, 353C
Polymer photophysics, 1402C
Polymer reaction, 2983C
Polymer solar cells, 4038C
Polymer stabilized cholesteric liquid crystal (PSCLC), 1562P
Polymer substrates, 1577C
Polymer-supported catalyst, 2300C
Polymeric compatibilizer, 2683P
Polymeric ionic liquids, 4151C, 6872C
Polymeric micelles, 1954C
Polymeric microspheres, 6165C
Polymeric nanoparticles, 4756C
Polymeric support, 7299C
Polymerization, 93C, 1066C, 1249C, 1618C, 3795C, 740C, 7960C
Polymerization kinetics, 6575C
Polymerization of *N*-isopropylacrylamide, 2488C
Polymerization-induced phase separation, 3272C
Polymers, 2711P
Polymers plastics, 649P
Polymorphism, 1556P
Polynaphthalene, 4258C
Polynorbornene, 444C
Poly(neopenthyl terephthalate), 170P
Polyolefin elastomer, 8023C
Polyolefins, 93C, 212P, 444C, 947C, 1066C, 1185C, 1669P, 1811P, 2038C, 2100P, 2755C, 2807C, 2858C, 3314C, 3488C, 3533C, 4725C, 6393C, 7062C, 8023C
Polyols, 5568C
Poly[3-(4-octylphenoxy)thiophene], 7505C
Poly(2-oxazoline), 5859C
Poly(*p*-oxybenzoyl), 1265C
Poly(oxyethy!ene), 547P
Poly(oxyethylene-H-phosphonate)s, 4130C
Polypeptide, 2649C, 3108C
Polypeptides, 3068C, 4012C
Polyphenylene, 753C
Polyphenylene derivatives, 3591C
Poly(*p*-phenylene vinylene), 1566C
Poly(*p*-phenylenevinylene) (PPV), 7173C
Poly(para-phenylene), 5223C
Poly(phenylene ether), 4949C
Poly(phenylene oxide), 2145C, 2296P, 5278C
Poly(phenylene sulfide), 233P, 677P
Poly(phenylene vinylene), 5242C
Polyphosphazene, 2022P
Polyphosphazenes, 5850C
Polyphosphoester, 6425C
Poly(phthalazinone ether phosphine oxide)s, 1758C
Polypropylene, 41P, 577P, 1811P, 2683P
Poly(propylene), 92P, 1067P, 1183P, 1641P, 6722C
Polypropylene (PP), 526P
Poly(propylene) (PP), 441P, 5461C, 721P, 1719C, 1738C, 1762P, 2188P, 2936C
Polypropylene blends, 148P
Poly(propylene carbonate), 4451C
Poly(propylene carbonate) (PPC), 6102C
Polypropylene sulfide, 2477C
Poly(propylene terephthalate), 170P, 818P
Polypyrrole, 727P, 1291P, 4151C
Polypyrroles, 2279P
Polyrotaxane, 5283C
Polyrotaxanes, 1114P, 2305C
Polysaccharide coated particles, 2845C
Polysaccharides, 80P, 771P, 1235P, 1430P, 1440C, 4070C,
Polysilane, 4637C
Polysilanes, 725C, 7677C, 7816C
Polysiloxane, 692C
Polysiloxanes, 21C, 72P, 353C, 926C, 1652P, 1783C, 2779P, 3482C, 3877C, 4344C, 4935C, 6654C, 7033C
Poly(siloxy silanes), 2708C
Polysilsesquioxane, 472P
Polystyrene, 872C, 388P, 1136C, 1218C, 1240C, 1348P, 1449C, 1641P, 1710C, 1991P, 2116P, 2335C, 2423P, 2741P, 2754P, 2799C, 2884C, 3367C, 3869C, 4459C, 4522C, 4766C, 5742C, 6016C, 6198C, 6358C, 7091C, 7273C, 7621C
Polystyrene (PS), 7447C
Poly(styrene-*co*-acrylonitrile), 1131P
Poly(styrne-*b*-lactide), 102C
Polystyrene microspheres, 5794C
Poly(styrene-*co*-*n*-phenyl maleimide), 1131P
Polystyrene sidearm, 1003C
Poly(styrene-*co*-vinylbenzophenone), 2423P
Poly(styrene)/poly(vinyl methyl-ether), 791P
Poly(substituted methylene) synthesis, 1638C
Polysulfides, 233P
Polysulfones, 958C
Poly(*tert*-butyl acrylate), 302C, 1218C, 4459C
Poly(tetrafluoroethylene), 257C
Poly(tetramethylene ether) glycol, 1893C
Polythiophene, 753C, 1003C, 2097C, 7505C
Polythiophenes, 4817C
Polytriazole, 1140P
Poly(trimethylene terephthalate), 847P
Polyurethane, 344P, 861P, 1893C, 2341P, 6285C
Poly(urethane acrylates), 3344C
Polyurethanes, 218C, 2054P, 2433C, 2445C, 4857C, 6272C, 7996C
Polyvalency, 7249C
Polyvinyl alcohol, 2062C
Poly(vinyl alcohol), 2618P
Poly(vinyl alcohol) beads, 203C, 6722C
Polyvinyl chloride, 263P, 3512C
Poly(vinyl chloride), 938P
Poly(vinyl ether)s, 4392C
Poly(vinyl ethers), 2202C, 4495C, 6129C, 6746C
Poly(vinyl pyrrolidone), 1258P
Poly(*N*-vinylpyrrolidone), 2177C, 5604C
Polyvinylamine, 1674C
Poly(vinylcarbazole), 2983C
Poly(vinyl)silazane, 4594C
Poly(vinylidene chloride-*co*-vinyl chloride)/fluorinated synthetic mica nanocomposites, 1214P
Poly(vinylidene fluoride), 1923P
Poly(vinylidene fluoride) (PVDF), 558P
Poly-(*p*-xylylene), 640P
Pore-filling electrolyte membrane, 1684P
Porous microsphere, 1674C
Porphyrin, 1240C
Positron annihilation, 388P, 1991P, 2485P
Positron annihilation spectroscopy, 1P
POSS, 2581C, 2719P, 5157C
Post-sulfonation, 3860C
Potassium catalyst, 5348C, 5363C
Potassium vinyl-trifluoroborate, 6051C
PP nanocomposites, 2519P
PPE, 3749C
PPG, 2249P
PPTA, 1914P
PPV, 2367C
PPV derivatives, 1159P
Preceramic polymers, 4594C
Preirradiation, 751P, 751P
Prepolymer molecular weight, 4959C
Pressure, 2630P, 3795C

Primary nucleation, 311P, 1478P
Processing, 1348P, 1747P
Propagation rate coefficients, 1460C
Propagation rate constant, 6621C
Propenyl ether, 2202C
Properties, 1632P, 7566C
Propylene oxide (PO), 6102C
Protein adsorption, 5794C
Protein separation, 203C
Proteins, 1C, 1007P, 2307P, 4681C
Proton conduction, 4469C
Proton conductivity, 1P, 989C, 2262C, 2820C, 3860C, 3947C, 5431C, 7332C
Proton exchange membrane, 3860C
Proton exchange membrane fuel cells, 691P, 3947C, 7332C
Proton exchange membranes, 2820C
Proton irradiation, 1094P
Proton-exchange membrane, 5431C
Proton-NMR, 5142C
Protonation, 2414C
Pseudorotaxane monomer, 5999C
PTMO, 1770C
PVDF, 751P, 949P, 2173P
PVOH, 6407C
PVP, 1683C, 2443P
Pyrene, 1402C
Pyrenyl moieties, 314C
Pyridine, 1548C
Pyrolysis, 305P
Pyrylium, 7369C

Quantum chemistry, 4905C
Quantum efficiency, 631P
Quantum yield, 2680C
Quarterpolymers, 2154C
Quaternization, 4305C
o-Quinodimethane, 844C
Quinoxaline, 2367C, 4038C

Racemization catalyst, 2721C
Radiation, 1945C, 2008C, 3042C
Radiation resist, 1945C
Radical, 2869C
Radical copolymerization, 4383C
Radical inhibitor, 3174C
Radical photopolymerization, 1710C
Radical polymerization, 257C, 278C, 289C, 530C, 970C, 1111C, 1329C, 1365C, 1416C, 1449C, 1460C, 1559C, 1594P, 2008C, 2335P, 2500C, 2745C, 2897C, 3042C, 3145C, 3174C, 3344C, 3433C, 3438C, 3452C, 3766C, 3783C, 4332C, 4505C, 4575C, 4594C, 4748C, 4905C, 4917C, 5093C, 5202C, 5471C, 5499C, 5698C, 5999C, 6009C, 6016C, 6071C, 6114C, 6333C, 6358C, 6575C, 6660C, 6880C, 6916C, 7138C, 7207C, 7280C, 7369C, 7376C, 7429C, 7773C, 8091C
Radical spin traps, 7273C
RAFT, 314C, 3048C, 3098C, 3488C, 3740C, 6983C
RAFT agent degradation, 2277C
RAFT polymerization, 2390C, 3926C
RAFT process, 4594C
RAFT-mediated polymerization, 2500C
Raman spectroscopy, 305P, 547P, 710P, 803C, 831P, 1390P
Random copolymer, 1278C, 1365C, 2734C
Random copolymers, 170P
Random polyampholyte brushes, 4305C
Rare earth catalyst, 2108C
Rare-earth metal, 5251C
Rare-earth metals, 6810C
Rate constants, 2477C
Rate of polymerization, 4265C
Rate retardation, 970C
Reaction injection molding, 2612C
Reactive, 692C
Reactive extrusion, 4766C, 7386C, 7773C
Reactive polymers, 6677C
Reactive processing, 526P
Reactivity ratios, 1919C, 4383C
Real-time FTIR spectroscopy, 4905C
Recognition, 7238C
Recyclable polymer, 1893C
Recycle of catalyst, 3673C
Recycling, 433C, 1893C, 2300C, 5499C
Redox polymers, 1862C, 2575C, 4151C, 5404C
Refractive index, 552C, 1510C, 2549C, 4383C
Regio-regular, 4451C
Reinforcement, 1939P, 2733P, 5708C
Relaxation, 16P, 109P, 497P, 2079P, 2326P, 2765P
Relaxation behaviors, 1652P
Relaxation of dipole alignment, 3078C
Renewable resources, 1430P, 3241C, 4243C, 6843C, 7996C
Residual stress, 2719P
Resin, 1674C
Resins, 281P, 971P, 1730C, 2155P, 6789C, 7473C
Resistive switching, 6861C
Resists, 1945C, 6238C
Resorcinarene, 2108C
Reversible addition fragmentation chain transfer, 6641C, 6518C
Reversible addition fragmentation chain transfer (RAFT), 38C, 155C, 341C, 860C, 970C, 1873C, 2277C, 2379C, 3014C, 3058C, 3140C, 3155C, 3294C, 3690C, 4254C, 5093C, 5123C, 5652C, 5702C, 6023C, 6575C, 6518C, 6641C, 6677C, 6801C, 7033C, 7114C, 7127C, 7138C, 7200C, 7207C, 7249C, 7447C, 7621C
Reversible addition fragmentation chain transfer (RAFT) polymerization, 7556C
Reversible addition-fragmentation chain transfer (RAFT), 87C, 872C, 2390C, 4021C, 5626C, 5805C, 6198C, 682C, 7049C, 7280C, 7656C, 7690C
Reversible addition-fragmentation chain transfer polymerization, 4984C, 5442C
Reversible addition-fragment chain transfer polymerization (RAFT), 362C
Reversible addition-fragmentation radical transfer (RAFT), 2575C
Reversible addition-fragmentation chain transfer (RAFT/MADIX), 2845C
Reversible melting, 2647P
RGD, 7022C
Rhenium complex, 2047P
Rheological percolation, 2143P
Rheological studies, 2326P
Rheology, 16P, 28P, 41P, 223P, 329P, 441P, 526P, 677P, 1167P, 1265P, 1318C, 1619P, 1669P, 1837P, 1952P, 2064P, 2319P, 2443P, 2465P, 2637P, 2660P, 5194C
Rhodium diene complexes, 2776C
Ribavirin, 2734C
Rigid amorphous fraction, 1348P
Rigid-amorphous fraction, 2647P
Ring band, 892P
Ring open polymerization, 6641C, 7628C
Ring opening polymerization, 844C, 3048C, 3108C, 4352C, 4459C, 5348C, 5363C, 6703C, 7002C
Ring-opening, 1249C
Ring-opening metathesis polymerization, 2833C
Ring-opening metathesis polymerization (ROMP), 2640C, 4630C, 6672C
Ring-opening polymerization, 102C, 218C, 7002C
Ring-opening polymerization (ROP), 3058C, 564C, 851C, 1136C, 1151C, 1178C, 1218C, 2084C, 2108C, 2154C, 2233C,

2300C, 2624C, 2649C, 2788C, 2891C, 3207C, 3447C, 3820C, 4012C, 4050C, 4092C, 4777C, 4997C, 5580C, 6229C, 6425C, 643C, 6455C, 6466C, 6496C, 6770C, 6789C, 7258C, 7483C, 7757C, 7773C, 7919C, 8131C
Rod-coil copolymer, 7667C
ROMP, 3648C, 401C, 1229C, 1521C, 1936C, 2402C, 2913C, 3314C, 6677C, 6851C, 7985C,
ROP, 3662C
Rubber, 577P, 1050P, 1652P, 8023C
Rubbery compliance, 1952P
Ruthenium, 4630C

Safranine-O, 289P
Salen ligand, 6940C
Salen-zinc complex, 1427C, 3673C
SALS, 1577P
Salt effect, 4332C
Sanchez-Lacombe lattice fluid theory, 452P
SAXS, 85C, 263P, 721P, 2126P, 2456P
Scaling, 640P
Scandium trifluoromethanesulfonate, 2300C
Scanning electron microscopy, 740C
Scanning electronic microscopy, 2667C
Schiff-base zinc chloride complex, 3682C
β-Scission, 7585C
Scission, 1945C
SEC, 3869C, 5142C
Second harmonic generation (SHG) coefficient, 3078C
Selective chain transfer reaction, 4843C
Selective cleavage of acetal, 6978C
Selectivity, 2347C, 5251C
Self organization, 3257C
Self-assemble, 6416C
Self-assembled reactions, 7702C
Self-assembling, 8131C
Self-assembling organogel, 6664C
Self-assembly, 12C, 314C, 353C, 860C, 817C, 917P, 1042C, 1058C, 1252P, 1412P, 1430P, 1515P, 1533C, 1536P, 1925C, 1936C, 2267P, 2601C, 2658C, 2734C, 2913C, 3029C, 3108C, 3877C, 4205C, 4585C, 4602C, 4691C, 4719C, 4817C, 4843C, 4889C, 4927C, 5381C, 5604C, 6425C, 6455C, 6664C, 668C, 6712C, 6907C, 7049C, 7491C, 7578C, 7667C, 7690C, 7739C
Self-condensing vinyl hyperbranched polymerization, 4486C
Self-condensing vinyl polymerization, 7628C
Self-consistent, 1788P
Self-nucleation, 1478P
Self-organization, 85C, 353C, 401C, 574C, 640P, 1430P, 1440C, 2267P, 2402C, 2913C, 3108C, 4122C, 4602C, 5431C, 5999C, 6346C, 6518C
Self-polyaddition, 7835C
Self-stability, 3098C
SEM, 1997P
Semi-IPNs, 2262C
Semicrystalline, 1652P
Semicrystalline macromolecule, 2647P
Semicrystalline nanocomposite, 1966P
Sensors, 1586C, 1998C, 2878C, 3774C, 4637C, 6206C, 8070C
SET-LRP, 278C, 2745C, 4917C, 5663C, 6880C, 7376C
SFRP, 6983C
Shape, 7578C
Shape memory polymer, 1437P
Shear, 1337P, 2443P, 2660P
Shear viscosity, 28P
Shell-crosslink, 7578C
SI-ATRP, 1529P
Si-vinylene, 4513C
SiC films, 725C
Side reactions, 6575C
Sigmoidal, 2319P
Silane-crosslinking, 5559C
Silanes, 4542C
Silica, 649P, 1891P, 2884C, 7656C
Silica gel, 6664C
Silica-supported catalyst, 267C
Silicas, 1976P, 4218C
Silicon carbide, 7677C
Silicones, 1050P, 3546C
Silk fibroin, 1235P
Siloxane-organic copolymers, 1862C
Silphenylene-siloxane, 7868C
Silver, 344P, 702P, 2062C, 3911C
Silver nanoparticles, 3429C
Simha-Somcynsky theory, 2249P
Simulations, 8P, 4486C
Single electron transfer-living radical polymerization (SET-LRP), 3174C, 6346C
Single electron-transfer, 5663C
Single wall carbon nanotube, 2532P
Single wall carbon nanotubes, 1914P
Single-electron transfer, 6542C
Single-site catalysts, 5542C
Singlet, 453C
Singlet oxygen, 6916C
Size, 7578C
3D Skeletal structures, 3272C
Small angle X-ray scattering (SAXS), 2618P
Small band gap, 6305C
Small-angle neutron scattering, 2803P, 3958C, 4420C
Small-angle X-ray scattering (SAXS), 534P
Smectic-like structure, 2126P
Sodium benzoate, 1183P
Sodium carboxymethylcellulose, 1546P
Sol–gel, 1699C, 3749C
Sol–gel conditions, 1891P
Sol–gel transition, 3629C
Sol-gel transitions, 2637P
Solid state, 1348P
Solid state shear milling (S^3M), 807P
Solid-state NMR, 138C
Solid-state polymerization, 4959C
Solid-state structure, 2765P
Solubility, 7419C
Soluble polyaniline, 1051C
Solution casting, 2173P
Solution properties, 253P, 547P, 3257C, 4363C, 6444C, 6712C
Solution property, 5518C
Solution structures, 3257C
Solvation, 4265C
Solvent, 659P
Solvent-free, 2177C
Sonochemical irradiation, 1719C
Spectral characterization, 1051C
Spectroelectrochemistry, 1974C
Spectroscopy, 3911C
Spherical aggregate, 4879C
Spherulite, 892P
Spherulite morphology, 1725P
Spherulites, 659P
Spherulites and crystallization, 121P
Spin coating, 1662C
Stabilization, 759P, 1365C, 1589P, 6722C
Stabilizer, 1365C
Stabilizing agent, 1719C
π-Stacking, 2975C
Star block copolymer, 2084C, 6754C
Star copolymers, 668C
Star polymer, 302C, 2422C, 4363C, 7667C, 7757C
Star polymers, 766C, 1136C, 1249C, 1873C, 1945C, 2108C, 3869C, 3958C, 4879C, 5805C, 6317C, 6455C, 6641C, 6754C, 7091C, 7280C, 7287C, 8041C
Star vector, 4505C
Star-block copolymer, 6455C, 650C
Star-block copolymers, 7091C
Star-shaped dendrimer-like copolymer, 2788C
Star-tailed macromonomers, 1826C
Starch, 253P, 2567C
Starch nanocomposites, 979P

Statistical copolymer, 5859C
Statistical copolymers, 4804C
Statistical thermodynamics, 2249P, 3272C
Step-growth polymerization, 958C, 414C, 4674C, 5506C, 6552C
Step-like melting, 2188P
Stereo-specific polymers, 4451C
Stereochemistry control, 6102C
Stereocomplex, 3714C, 6317C
Stereoselective, 643C
Stereospecific polymers. 127C, 2167C, 2721C, 3145C, 4575C, 5698C
Stimulating effect, 311P
Stimuli-responsive polymers, 3459C, 7127C
Stimuli-sensitive polymer, 1437P, 1649C
Stimuli-sensitive polymers, 60C, 186C, 194C, 473C, 710P, 860C, 1862C, 1954C, 2465P, 2488C, 2510C, 2766C, 3294C, 3424C, 4021C, 4140C, 4305C, 4332C, 4575C, 5028C, 6263C, 6444C, 6518C, 6594C, 6630C, 6950C, 7739C, 8206C
Storage modulus, 28P
Strain, 1202P
Strain hardening, 2475P
Stress, 1050P
Stretching ratio, 949P
Structural organization, 4420C
Structure, 33C, 558P, 1589P, 1611P, 1660P, 1903P, 2126P, 2341P
Structure-property correlation, 4602C
Structure-property relation, 190P
Structure-property relations, 41P, 48P, 170P, 607P, 798P, 807P, 1050P, 1419P, 1510C, 1734P, 2605P, 2765P, 2897C, 4038C, 4227C, 4529C, 4602C, 4637C, 4970C, 5223C, 5483C, 6722C, 7637C
Structure-property relationship, 1390P
Structure–property relations, 979P, 1632P, 1660P, 2404P, 2577P, 3326C, 7785C, 8179C
Structure–property relationships, 383C, 7114C
Structured hydrogels, 2667C
Structured polymers, 640P
Structures, 1369P
Styrene, 564C, 1165C, 1476C, 1488C, 2799C, 7395C, 8023C
Styrene/half-titanocene, 4162C
Styrylpyridine moiety, 5371C
Substituted 1,3,5-benzenetrisamides, 1067P
Succinic acid, 2234P
Sugars, 7713C
Sulfonated, 1758C, 7713C
Sulfonated dianhydride, 2820C
Sulfonated polyimide, 2262C
Sulfonated polyimides, 2820C
Sulfonated polymers, 5850C
Sulfonation, 6365C, 8023C
Sulfuric acid, 1914P
Super-amphiphobic, 1984P
Superabsorbent polymers, 1357C
Supercritical carbon dioxide, 257C, 441P, 7429C
Supercritical CO_2, 1365C, 1641P
Supercritical fluoroform ($scCHF_3$), 1577C
Superparamagnetic, 203C
Supports, 1990C
Supramolecular, 1936C
Supramolecular complex, 6416C
Supramolecular copolymers, 4719C
Supramolecular inclusion complexation, 2296P
Supramolecular macro-RAFT agent, 5805C
Supramolecular polymers, 3877C
Supramolecular structures, 860C, 917P, 1114P, 1533C, 1925C, 2305C, 4691C, 5528C, 7925C
Surface functionalization, 3546C
Surface modification, 970C, 6896C
Surface relief gratings, 777C
Surface-initiated polymerization, 5014C
Surface-reliefgratings, 682C
Surface-segregation, 1788P
Surfaces, 218C, 281P, 1357C, 1577C, 1788P, 3214C, 3367C, 4305C, 5014C, 6896C, 7656C, 7713C
Surfactant-free, 3098C
Surfactants, 257C, 1365C, 2833C, 6407C, 8206C
Suspension-emulsion copolymerization, 6165C
Suzuki coupling, 8141C
Suzuki polycondensation, 574C
Suzuki–Heck cascade, 6051C
Swelling, 59P, 483P, 1357C, 1450P, 1589P, 1713P, 1758C, 2193C, 2404P, 2557C, 2667C, 3795C, 5263C, 6165C, 6272C, 7556C
Synchrotron X-ray scattering, 2126P
Syndiotactic, 599P, 2167C, 3145C, 4575C, 5698C
Syndiotactic polypropylene, 798P
Syndiotactic polystyrene, transport properties, 8P
Synthesis, 12C, 314C, 383C, 453C, 552C, 585C, 661C, 1083C, 1240C, 1289C, 1548C, 1632P, 1674C, 1730C, 2072C, 2132C, 2233C, 2250C, 2367C, 2680C, 2807C, 2983C, 3120C, 3241C, 3336C, 3375C, 3424C, 3611C, 3830C, 4038C, 4056C, 4070C, 4092C, 4183C, 4249C, 4529C, 4691C, 5036C, 5115C, 5123C, 5194C, 5223C, 5251C, 5263C, 5371C, 5483C, 5542C, 5592C, 5638C, 5702C, 5732C, 5776C, 6206C, 6214C, 6305C, 6477C, 6861C, 6907C, 7049C, 7342C, 7462C, 7637C, 7702C, 7816C, 7835C, 7925C, 8117C, 8206C

Tacticity, 2936C
Tadpole-shaped, 2390C
Tandem catalysis, 2721C
Targeting, 117C
Tartrates, 3145C
Telechelic polymer, 7835C
Telechelics, 3229C, 5093C, 6542C
Telomerization, 7543C
TEM, 759P, 803C, 1536P, 2799C, 4151C, 4879C, 740C
Temperature, 2404P
Temperature dependence, 1159P
Temperature-modulated DSC, 2647P
Temperature-responsive, 4756C, 6317C
Temperature-responsivity, 1529P
Temperature-sensitive, 1713P
Temperature-sensitive hydrogels, 1954C
Template, 228C
Templates, 3911C, 5708C
TEMPO-mediated polymerization, 6185C
Tensile strength, 4050C
Tensile testing, 721P
Ternary polyacrylonitrile solution, 2637P
Terpolymers, 6051C
N-tert-Butoxycarbonylacrylamide, 5698C
tert-Butyl α-Trifluoromethylacrylate, 4383C
Tetrafluoroethylene, 1577C
Tetrahalomethane oxidation, 3229C
Theory, 351P, 4486C
Thermal analysis, 649P
Thermal behavior, 7238C
Thermal characterization, 619P
Thermal conductivity, 212P
Thermal curing, 414C
Thermal degradation behavior, 1214P
Thermal expansion, 1437P
Thermal properties, 170P, 190P, 212P, 322P, 506P, 619P, 692C, 733C, 798P, 1214P, 1502C, 1770C, 2054P, 2100P, 2341P, 2519P, 2719P, 2754P, 2765P,

3314C, 4383C, 5431C, 5506C, 5568C, 7101C, 7238C, 8170C
Thermal stability, 102C, 886C, 1243P, 1629C, 2445C, 3078C, 3512C, 7101C, 7868C
Thermally latent catalyst, 1427C
Thermo- and pH-responsive, 5028C
Thermo-responsive polymers, 6142C
Thermodynamic melting point, 1094P
Thermodynamics, 351P, 949P, 1556P, 1997P, 2647P, 5214C
Thermodynamics properties, 2166P
Thermogravimetric analysis, 305P, 751P, 1178C, 1207P, 8117C
Thermogravimetric analysis (TGA), 1974C, 2177C, 2577P, 3326C, 5760C, 6664C
Thermogravimetry analysis, 7101C
Thermoplastic elastomer, 1893C, 1902C
Thermoplastic elastomers, 1770C
Thermoplastics, 2475P
Thermoresponsibility, 5263C
Thermoresponsive, 4332C, 7739C
Thermoreversible, 263P
Thermorheology, 1669P
Thermosensitive, 341C, 668C, 2212C, 3048C, 4830C, 6151C, 6907C
Thermosensitive hydrogel, 2222C
Thermosensitivity, 6263C
Thermoset, 1632P, 7002C
Thermoset matrices, 1079P
Thermoset polyimide, 4227C
Thermoset resins, 2012P
Thermosets, 414C, 971P, 1229C, 1318C, 1320P, 1339C, 2155P, 2588C, 2799C, 3088C, 3512C, 4970C, 5278C, 6509C, 6780C, 6851C, 7898C
Thermostimulated discharge currents, 1488P
Thermothickening, 2022P
Thermotropic, 4363C
Thiazole, 5123C
Thieno[3,2-*b*]thiophene, 7725C
Thin film, 970C, 5194C, 7534C
Thin films, 138C, 640P, 1252P, 1430P, 1952P, 2741P, 2754P, 3367C, 3546C, 4712C, 4719C, 5232C, 5826C, 6305C, 6677C, 6861C, 7843C, 8041C
Thioketal formation, 2689C
Thiol-acrylate conjugate addition reaction, 6896C
Thiol–ene photopolymerization; viscoelastic properties, 1339C
Thiophene, 2776C, 5115C, 7725C
Thiophene-perylene, 1974C
Thiopyrylium, 7369C
Thiourethane and urethane linkages, 1770C
Three-arm star polymer, 777C
Three-dimensionally ordered macroporous polymer, 7950C
Thymine, 6416C
Time of flight photoconductivity, 1159P
Time-resolution, 2126P
Tin chloride, 6129C, 6746C
Tin(IV) chloride, 2202C
Tin–lead alloy, 677P
Titanium, 3411C, 4162C
Titanocene, 1476C
TMDSC, 2116P
Topology, 1036P
Toughness, 577P, 766P, 2799C
Toughness improvement, 2799C
trans, 668P
Transetherification, 958C, 5752C
Transfer constant, 897C
Transfer reactions, 7585C
Transistor, 6305C
Transition metal chemistry, 585C, 1066C, 1638C, 2250C, 3193C, 6358C, 6819C, 7376C
Transmission electron microscopy, 7332C
Transmission electron microscope (TEM), 3563C
Transmission FTIR, 649P
Transparency, 1235P, 1510C, 2549C, 6489C
Transurethane, 2445C
Treated silica, 649P
Triazole, 6861C
Triazole-polymers, 238C
Triazole ring, 7843C
Triblock copolymer, 329P, 1042C, 1536P, 3048C
Tribological, 7225C
Tricyanopyrroline, 5064C
Triglycerides, 6843C,
2,2,2-Trifluoroethyl α-fluoroacrylate, 4383C
Triphenylamine, 936C, 2367C, 5592C, 5816C, 6861C
Triphenylene, 2960C
Triple detection GPC, 302C
Triplet, 453C
Triplet energy transfer, 7419C, 7517C
1,3,5-tris(2-hydroxyethyl) cyanuric acid, 5568C
Tropidinyl ligand, 6064C
Two-dimensional correlation spectroscopy, 3886C, 4038C
Two-dimensional donor–acceptor polymers, 4038C

UCST, 2355P
Ultra-thin polymer films, 1952P
Uniaxial, 305P, 607P
Uniaxial elongation, 16P
Uniaxially aligned, 558P
Unimolecular initiator of polymerization, 1165C
Upper critical solution temperature, 1131P
Urea, 2433C
UV replica molding, 6789C
UV-curable, 8149C
UV–vis, 7342C
UV-vis spectroscopy, 115C, 289C, 1121P, 1159P, 2975C, 3499C, 3830C, 3970C, 4038C, 4258C, 5202C, 5760C, 6688C, 7401C, 7505C, 7843C
UV–visible, 2422C
UV–visible spectroscopy, 1463P

L-Valine, 353C
Vanadium complex, 6940C
Vapor grown carbon fiber, 4433C
Vapor-grown carbon nanofibers, 7473C
Versatile nucleating agent, 1183P
Vesicle, 4205C
Vesicles, 1042C, 4830C, 7491C
Vinyl acetate, 2845C
4-Vinylbenzocyclobutene, 2799C
N-Vinylcaprolactam, 3756C
Vinyl ether, 1629C, 1893C, 1902C
Vinyl pyrrolidone, 1450P
N-Vinylpyrrolidone, 6575C
4-Vinylpyridine, 2119C
Vinyl-type polynorbornene, 1185C
Virosomes, 1C
Viscoelastic properties, 281P, 322P, 344P, 677P, 1036P, 2054P, 2079P, 2326P, 2443P, 2465P, 2660P, 2719P, 2765P
Viscoelasticity, 1952P
Viscosity, 2326P, 5194C
Voids, 2249P
Volatile organic compounds, 4081C
Volume strain, 1202P

Wang resin, 1178C
Water soluble copolymer, 5999C
Water soluble polymers, 3257C, 6672C
Water sorption, 7566C
Water-soluble polymer, 194C, 636C
Water-soluble polymers, 743P, 1149P, 1683C, 2465P, 2640C, 4305C, 4332C, 4984C, 6575C, 7273C
Water-soluble properties, 253P
Water-structure, 2307P
Water-tolerant coinitiator, 4734C, 6928C

WAXD, 190P, 311P, 2456P
WAXS, 2035P, 2054P, 2126P
Weak forces, 4637C
Well-defined polycaprolactones, 218C
Wetting, 1280P
White-light emission, 453C
Wide-angle X-ray diffraction, 1183P, 1725P
Wide-angle X-ray scattering (WAXS), 534P
Wittig reaction, 1566C
Wound repair, 383C
Wurtz coupling, 7816C

X-ray, 733C, 759P, 1770C, 1903P, 2577P, 3411C, 7342C
X-ray diffraction, 1837P
X-ray irradiation, 311P
X-ray WAXD, 558P
Xanthate, 3756C
XPS, 3014C
Xylitol, 5167C

Y-shaped, 8131C
Yielding, 1337P, 2475P
Young's modulus, 2404

Ziegler-Natta catalyst, 7299C
Ziegler-Natta polymerization, 93C, 267C, 1066C, 1476C, 2038C, 3396C, 5461C, 6940C, 7062C, 7299C
Zinc oxide, 8081C
Zirconocene, 1476C, 7411C

JOURNAL OF
POLYMER SCIENCE
PART • A
Polymer Chemistry

Volume Contents
Volume 46, 2008
Issue 1, January 1, 2008

HIGHLIGHT

Targeted Delivery of Proteins by Nanosized Carriers
R. SOLARO 1
Published online 16 November 2007

ARTICLES

Synthesis of Achiral PEG-PANI Rod-Coil Block Copolymers and their Helical Superstructures
L. YAN AND W. TAO 12
Published online 16 November 2007

Preparation of Microcellular Polysiloxane Monoliths
M.-T. GROSSE, M. LAMOTTE, M. BIROT, AND H. DELEUZE 21
Published online 16 November 2007

A Kind of Novel Nonmetallocene Catalysts for Ethylene Polymerization
L. MA, Y. SHENG, Q. HUANG, Y. ZHAO, K. DENG, J. LI, AND W. YANG 33
Published online 16 November 2007

A–B–A Stereoblock Copolymers of *N*-Isopropylacrylamide
M. NUOPPONEN, K. KALLIOMÄKI, A. LAUKKANEN, S. HIETALA, AND H. TENHU 38
Published online 16 November 2007

Enhancement of Photocurrent of Polymer-Gelled Dye-Sensitized Solar Cell by Incorporation of Exfoliated Montmorillonite Nanoplatelets
C.-W. TU, K.-Y. LIU, A.-T. CHIEN, M.-H. YEN, T. H. WENG, K.-C. HO, AND K.-F. LIN 47
Published online 16 November 2007

Ethylene Polymerization and Copolymerization With a Polar Monomer Using an α-Iminocarboxamide Nickel Complex Activated by Trimethylaluminum

C. L. P. CARONE, R. BISATTO, G. B. GALLAND, R. ROJAS, AND G. BAZAN 54

Published online 16 November 2007

Synthesis of Low-Polydispersity Poly(*N*-ethylmethylacrylamide) by Controlled Radical Polymerizations and Their Thermal Phase Transition Behavior

J. XU, X. JIANG, AND S. LIU 60

Published online 16 November 2007

Hyperbranched and Thermally Cross-Linkable Oligomer from a New 2,5,7-Tri-Functional Fluorene Monomer

L.-R. TSAI AND Y. CHEN 70

Published online 21 November 2007

Synthesis of Poly(di[methylamine]ethyl methacrylate)-*b*-Poly(cyclohexyl methacrylate)-*b*-Poly(di[methylamine] ethyl methacrylate) Amphiphilic Triblock Copolymers by ATRP: Condensed-phase and Solution Properties

A. MUÑOZ-BONILLA, D. M. HADDLETON, M. L. CERRADA, AND M. FERNÁNDEZ-GARCÍA 85

Published online 16 November 2007

Homo- and Copolymerization of Ethylene and Norbornene with Bis(β-diketiminato) Titanium Complexes Activated with Methylaluminoxane

Y. LI, H. GAO, AND Q. WU 93

Published online 16 November 2007

Combining Atom-Transfer Radical Polymerization and Ring-Opening Polymerization Through Bifunctional Initiators Derived From Hydroxy Benzyl Alcohol—Preparation and Characterization of Initiators, Macroinitiators, and Block Copolymers

A. LIKHITSUP, A. PARTHIBAN, AND C. L. L. CHAI 102

Published online 21 November 2007

Novel Designed Polymer–Acyclovir Conjugates with Linker-Controlled Drug Release and Hepatoma Cell Targeting

X. LI, M. LU, Q. WU, D.-S. LV, AND X.-F. LIN 117

Published online 16 November 2007

Highly Stereo-Efficient Synthesis and Luminescence Properties of Novel *trans*-Regular Vinylene–Silylene–Thiophene Polymers

M. MAJCHRZAK, M. LUDWICZAK, M. BAYDA, B. MARCINIAK, AND B. MARCINIEC 127

Published online 16 November 2007

NMR Study of the Nanomorphology in Thin Films of Polymer Blends Used in Organic PV Devices: MDMO-PPV/PCBM

R. MENS, P. ADRIAENSENS, L. LUTSEN, A. SWINNEN, S. BERTHO, B. RUTTENS, J. D'HAEN, J. MANCA, T. CLEIJ, D. VANDERZANDE, AND J. GELAN 138

Published online 16 November 2007

Outer-Sphere Electron Transfer Metal-Catalyzed Polymerization of Styrene Using a Macrobicyclic Ligand

C. A. BELL, M. R. WHITTAKER, L. R. GAHAN, AND M. J. MONTEIRO 146

Published online 16 November 2007

Graft Block Copolymers of Propargyl Methacrylate and Vinyl Acetate via a Combination of RAFT/MADIX and Click Chemistry: Reaction Analysis

D. QUÉMENER, M. L. HELLAYE, C. BISSETT, T. P. DAVIS, C. BARNER-KOWOLLIK, AND M. H. STENZEL 155

Published online 21 November 2007

Novel Amphiphilic Triblocks Fitted with Photocrosslinkable Termini, and their Photocrosslinking to Conetworks

Y. CHEN AND J. P. KENNEDY 174

Published online 19 November 2007

Thermodynamic Cloud Point Assays

D. E. BERGBREITER AND H. FU 186

Published online 19 November 2007

The Effect of Structure on the Thermoresponsive Nature of Well-Defined Poly(oligo(ethylene oxide) methacrylates) Synthesized by ATRP

S.-I. YAMAMOTO, J. PIETRASIK, AND K. MATYJASZEWSKI 194

Published online 19 November 2007

Preparation and Characterization of Monodisperse Superparamagnetic Poly(vinyl alcohol) Beads by Reverse Spray Suspension Crosslinking

C. YANG, Y. GUAN, J. XING, G. SHAN, AND H. LIU 203

Published online 19 November 2007

Dramatic Electronic Effect of Fluoro Substituents on the Olefin Polymerization Activity of Mono β-Diiminato Titanium Complexes

G. XIE AND C. QIAN 211

Published online 21 November 2007

Well-Defined Polycaprolactone Precursors for Low Surface-Energy Polyurethane Films

T. DIKIĆ, W. MING, P. C. THÜNE, R. A. T. M. VAN BENTHEM, AND G. DE WITH 218

Published online 19 November 2007

Facile Preparation of Monodisperse Hollow Cross-Linked Chitosan Microspheres

Z. QIAN, Z. ZHANG, H. LI, H. LIU, AND Z. HU 228

Published online 21 November 2007

Preparation and Characterization of 1,2,3-Triazole-Cured Polymers from Endcapped Azides and Alkynes

A. R. KATRITZKY, N. K. MEHER, S. HANCI, R. GYANDA, S. R. TALA, S. MATHAI, R. S. DURAN, S. BERNARD, F. SABRI, S. K. SINGH, J. DOSKOCZ, AND D. A. CIARAMITARO 238

Published online 21 November 2007

Surfactant Assisted Polymerization of Tetrafluoroethylene in Supercritical Carbon Dioxide with a Pilot Scale Batch Reactor

A. GIACONIA, O. SCIALDONE, M. APOSTOLO, G. FILARDO, AND A. GALIA 257

Published online 27 November 2007

The "Comonomer Effect" in Ethylene/α-Olefin Copolymerization Using Homogeneous and Silica-Supported Cp_2ZrCl_2/MAO Catalyst Systems: Some Insights from the Kinetics of Polymerization, Active Center Studies, and Polymerization Temperature

J. A. M. AWUDZA AND P. J. T. TAIT 267

Published online 27 November 2007

Functionally Terminated Poly(methyl acrylate) By SET-LRP Initiated with $CHBr_3$ and CHI_3

G. LLIGADAS, J. S. LADISLAW, T. GULIASHVILI, AND V. PERCEC 278

Published online 27 November 2007

Photoinitiators with Double and Triple Bonds

B. SEIDL, K. KALINYAPRAK-ICTEN, N. FUß, M. HOEFER, AND R. LISKA 289

Published online 27 November 2007

Preparation of 3-Arm Star Polymers (A_3) Via Diels–Alder Click Reaction

A. DAG, H. DURMAZ, G. HIZAL, AND U. TUNCA 302

Published online 27 November 2007

An Efficient Synthesis of Telechelic Poly(*N*-isopropylacrylamides) and its Application to the Preparation of α,ω-Dicholesteryl and α,ω-Dipyrenyl Polymers

F. SEGUI, X.-P. QIU, AND F. M. WINNIK 314

Published online 27 November 2007

Surface Modification of Iron Oxide Nanoparticles by a Phosphate-Based Macromonomer and Further Encapsulation into Submicrometer Polystyrene Particles by Miniemulsion Polymerization

N. JOUMAA, P. TOUSSAY, M. LANSALOT, AND A. ELAISSARI 327

Published online 27 November 2007

Synthesis and Characterization of Water-Soluble Gold Nanoparticles Stabilized by Comb-Shaped Copolymers

D.-H. HAN AND C.-Y. PAN 341

Published online 27 November 2007

New Polymer Organogelators with L-Isoleucine and L-Valine As a Gelation-Causing Segment: Organogelation by a Combination of Supramolecular Polymer and Conventional Polymer

M. SUZUKI, R. YANAGIDA, C. SETOGUCHI, H. SHIRAI, AND K. HANABUSA 353

Published online 27 November 2007

Synthesis of Densely Grafted Comblike Copolymers

Z. FU, W. TAO, AND Y. SHI 362

Published online 27 November 2007

High Molar Mass Ethene/1-Olefin Copolymers Synthesized with Acenaphthyl Substituted Metallocene Catalysts

E. AITOLA, K. HAKALA, H. BYMAN-FAGERHOLM, M. LESKELÄ, AND T. REPO 373

Published online 27 November 2007

Volume 46, 2008
Issue 2, January 15, 2008

HIGHLIGHT

Dendritic Macromers for Hydrogel Formation: Tailored Materials for Ophthalmic, Orthopedic, and Biotech Applications

M. W. GRINSTAFF 383

Published online 5 December 2007

RAPID COMMUNICATIONS

A Novel Templateless Method to Nanofibers of Polyaniline Derivatives With Size Control

J. HAN, Y. LIU, AND R. GUO 740

Published online 6 December 2007

Unconventional Synthesis and Characterization of Novel Abietic Acid Esters of Hydroxypropylcellulose as Potential Macromolecular Prodrugs

M. A. HUSSAIN 747

Published online 6 December 2007

ARTICLES

Synthesis and Self Assembly of Eosin Functionalized Amphiphilic Block-Random Copolymers Prepared by Ring Opening Metathesis Polymerization

M. SANDHOLZER, G. FRITZ-POPOVSKI, AND C. SLUGOVC 401

Published online 4 December 2007

Synthesis, Characterization, and Properties of New Thermally Curable Polyetheresters Containing Benzoxazine Moieties in the Main Chain

B. KISKAN, Y. YAGCI, AND H. ISHIDA 414

Published online 4 December 2007

Synthesis of Poly(ethyl acrylate) by Single Electron Transfer-Degenerative Chain Transfer Living Radical Polymerization in Water Catalyzed By $Na_2S_2O_4$

J. F. J. COELHO, E. Y. CARVALHO, D. S. MARQUES, A. V. POPOV, V. PERCEC, P. M. F. O. GONÇALVES, AND M. H. GIL 421

Published online 4 December 2007

Synthesis of Triblock Copolymers from Glycolysed Poly(ethylene terephthalate) by Living Radical Polymerization

G. COLOMINES, B. OTAZAGHINE, C. BOYER, S. MONGE, AND J.-J. ROBIN 433

Published online 4 December 2007

Appreciable Norbornene Incorporation in the Copolymerization of Ethylene/Norbornene Using Titanium Catalysts Containing Trianionic $N[CH_2CH(Ph)O]_3^{3-}$ Ligands

P. SUDHAKAR 444

Published online 4 December 2007

Molecular Design of Efficient White-Light-Emitting Fluorene-Based Copolymers by Mixing Singlet and Triplet Emission

Y. XU, R. GUAN, J. JIANG, W. YANG, H. ZHEN, J. PENG, AND Y. CAO 453

Published online 4 December 2007

Pure White-Light-Emitting Diodes from Phosphorescent Single Polymer Systems

P.-I. LEE, S. L.-C. HSU, AND J.-F. LEE 464

Published online 5 December 2007

Specific Stimuli-Responsive Antipolyelectrolyte Swelling of Amphiphilic Gel Based on Methacryloxyethyl Dimethyloctane Ammonium Bromide

L. XU, M. ZHAI, L. HUANG, J. PENG, J. LI, AND G. WEI 473

Published online 4 December 2007

Monodispersed PEG-*b*-PSt Nanoparticles Prepared by Atom Transfer Radical Emulsion Polymerization Under Microwave Irradiation

Z. XU, X. HU, X. LI, AND C. YI 481

Published online 4 December 2007

Vinyl Polymerization of Norbornene by Mono- and Trinuclear Nickel Complexes with Indanimine Ligands

G. TANG, Y.-J. LIN, AND G.-X. JIN 489

Published online 4 December 2007

Luminescence Properties of Soluble 2,2′,7, 7′-Tetrakis(2-(9-hexyl-*9H*-carbazol-3-yl)-vinyl)-9, 9′-spirobifluorene-Labeled Dendrimers: Photoluminescence and Electroluminescence

H. S. KIM, M. J. CHO, K. M. JUNG, Y.-J. YU, Y. W. PARK, J.-I. JIN, AND D. H. CHOI 501

Published online 4 December 2007

Preparation of MEH-PPV/Nanosized Titania Hybrids Via *In Situ* Sol–Gel Reaction of Titanium Alkoxide: Optical Property

H.-J. CHEN, L. WANG, AND W.-Y. CHIU 515

Published online 4 December 2007

Copolymers of 4-(1-Methyl-1-mesityl-3-cyclobutyl)-2-N-1, 3-thiazole-2-yl methacrylamide with 2-[(5-Methylisoxazol-3-yl) amino]-2-oxo-ethyl methacrylate: Synthesis, Characterization, Monomer Reactivity Ratios and Biological Activity

I. EROL AND A. DEDELIOGLU 530

Published online 4 December 2007

Equimolar "$a_2 + b_4$" Polycondensations—Cyclic Polyethers Derived from 1,4-Dicyanotetrafluorobenzene and Various Diphenols

H. R. KRICHELDORF AND K. BORNHORST 543

Published online 6 December 2007

Effect of Molecular Architecture and Size of Mesogen on Phase Behavior and Photoactive Properties of Photoactive Liquid Crystalline Hyperbranched Polyester Epoxies Containing Benzylidene Moiety

V. S. RAO AND A. B. SAMUI 552

Published online 4 December 2007

Bottlebrush-Shaped Copolymers with Cellulose Diacetate Backbone by a Combination of Ring Opening Polymerization and ATRP

P. VLČEK, M. JANATA, P. LÁTALOVÁ, J. DYBAL, M. ŠPÍRKOVÁ, AND L. TOMAN 564

Published online 6 December 2007

Synthesis and Self-Assembly of Amphiphilic Dendronized Conjugated Polymers

X. XIAO, Y. WU, M. SUN, J. ZHOU, Z. BO, L. LI, AND C. CHAN 574

Published online 6 December 2007

High-Temperature Catalysts for the Production of α-Olefins Based on Iron(II) and Iron(III) Tridentate Bis(imino)pyridine Complexes Modified By Nitrilo Group

A. S. IONKIN, W. J. MARSHALL, D. J. ADELMAN, B. B. FONES, B. M. FISH, M. F. SCHIFFHAUER, P. D. SOPER, R. L. WATERLAND, R. E. SPENCE, AND T. XIE 585

Published online 6 December 2007

Preparation and Cryogenic Mechanical Properties of Epoxy Resins Modified by Poly(ethersulfone)

G. YANG, B. ZHENG, J.-P. YANG, G.-S. XU, AND S.-Y. FU 612

Published online 6 December 2007

Block Copolymer Preparation by Atom Transfer Radical Polymerization under Emulsion Conditions Using a Nanoprecipitation Technique

D. CHAN-SENG, D. A. RIDER, G. GUÉRIN, AND M. K. GEORGES 625

Published online 6 December 2007

Photocrosslinking in Dichromated Poly(acrylic acid) During Hologram Recording and Comparison with Dichromated Poly(vinyl alcohol)

A. BARICHARD, Y. ISRAËLI, AND A. RIVATON 636

Published online 6 December 2007

Crown-Like Macrocycle Zinc Complex Derived from β-Diketone Ligand for the Polymerization of rac-Lactide

X. PANG, X. CHEN, X. ZHUANG, AND X. JING 643

Published online 6 December 2007

Encapsulation and Release by Star-Shaped Block Copolymers as Unimolecular Nanocontainers

D. KUL, L. M. VAN RENTERGHEM, M. A. R. MEIER, S. STRANDMAN, H. TENHU, S. S. YILMAZ, U. S. SCHUBERT, AND F. E. DU PREZ 650

Published online 6 December 2007

Synthesis of Poly(ester amide)s with Lateral Groups from a Bulk Polycondensation Reaction with Formation of Sodium Chloride Salts

M. VERA, L. FRANCO, AND J. PUIGGALÍ 661

Published online 6 December 2007

Synthesis and Supramolecular Self-Assembly of Thermosensitive Amphiphilic Star Copolymers Based on a Hyperbranched Polyether Core

H. HONG, Y. MAI, Y. ZHOU, D. YAN, AND Y. CHEN 668

Published online 6 December 2007

Synthesis of Tetrazole-Containing Azo Polymers with Properties of Photo-Induced Birefringence and Surface-Relief-Gratings Via RAFT Polymerization

L. YU, Z. ZHANG, X. CHEN, W. ZHANG, J. WU, Z. CHENG, J. ZHU, AND X. ZHU 682

Published online 6 December 2007

Synthesis and Thermal Characterization of Novel Poly(tetramethyl-1,3-silphenylene-siloxane) Derivative with Phenol Moiety in the Main Chain

Y. NIWA, S. KOUNO, W. SAYAMA, AND N. NEMOTO 692

Published online 6 December 2007

Linear π-Conjugated Polymers Containing 2,4,6-Tris(thiophen-2-yl)-1,3,5-triazine Unit: Synthesis and Optical Properties

L. ZOU, Y. FU, X. YAN, X. CHEN, AND J. QIN 702

Published online 6 December 2007

Syntheses, Characterization, Optical Properties, and Charge-Transfer Complexation Study of Fluorescent Poly(aryl-ether-urea) Dendrimers

M. VANJINATHAN AND A. S. NASAR 713

Published online 6 December 2007

Delaminated Zeolite-Catalysed Synthesis of High-Molecular Weight Polycarbosilane as a Low Shrinkage SiC Precursor

C. T. NGUYEN, D. P. KIM, AND S. B. HONG 725

Published online 5 December 2007

Cationic Ring-Opening Copolymerization Behavior of Trioxane and Seven-Membered Cyclic Carbonate

D. NAGAI, K. YOKOTA, T. OGAWA, B. OCHIAI, AND T. ENDO 733

Published online 5 December 2007

Volume 46, 2008
Issue 3, February 1, 2008

HIGHLIGHT

Development of Catalyst-Transfer Condensation Polymerization. Synthesis of π-Conjugated Polymers with Controlled Molecular Weight and Low Polydispersity

R. MIYAKOSHI, A. YOKOYAMA, AND T. YOKOZAWA 753

Published online 18 December 2007

ARTICLES

Octafunctional Cubic Silsesquioxane (CSSQ)/Poly(methyl methacrylate) Nanocomposites: Synthesis by Atom Transfer Radical Polymerization at Mild Conditions and the Influence of CSSQ on Nanocomposites

H. HUSSAIN, K. Y. MYA, Y. XIAO, AND C. HE 766

Published online 18 December 2007

Synthesis of Novel Three-Arm Star Azo Side-Chain Liquid Crystalline Polymer Via ATRP and Photoinduced Surface Relief Gratings

Y. ZHANG, W. ZHANG, X. CHEN, Z. CHENG, J. WU, J. ZHU, AND X. ZHU 777

Published online 18 December 2007

Synthesis and Characterization of Highly Stable Blue-Light-Emitting Hyperbranched Conjugated Polymers

R. WANG, W.-Z. WANG, G.-Z. YANG, T. LIU, J. YU, AND Y. JIANG 790

Published online 19 December 2007

Poly(vinyltriethoxysilane) Modified MWCNT/Polyimide Nanocomposites—Preparation, Morphological, Mechanical, and Electrical Properties

S.-M. YUEN, C.-C. M. MA, C.-L. CHIANG, C.-C. TENG, AND Y.-H. YU 803

Published online 19 December 2007

Synthesis, Self-Assembly and Recognition Properties of Biomimetic Star-Shaped Poly(ε-Caprolactone)-*b*-Glycopolymer Block Copolymers

X.-H. DAI AND C.-M. DONG 817

Published online 19 December 2007

Formation of Poly(ethylene phosphates) in Polycondensation of H_3PO_4 with Ethylene Glycol. Kinetic and Mechanistic Study

J. PRETULA, K. KALUZYNSKI, B. WISNIEWSKI, R. SZYMANSKI, T. LOONTJENS, AND S. PENCZEK 830

Published online 19 December 2007

Polymerization of *o*-Quinodimethanes. V. Ionic Polymerization of *o*-Quinodimethanes Generated by Thermal Isomerization of Corresponding Benzocyclobutenes

K. CHINO AND T. ENDO 844

Published online 19 December 2007

Ultra-High Molecular Weight Poly(ε-Caprolactone) by Means of Diphenyl Bismuth Bromide

H. R. KRICHELDORF, G. BEHNKEN, AND G. SCHWARZ 851

Published online 19 December 2007

Facile Preparation of Core-Crosslinked Micelles from Azide-Containing Thermoresponsive Double Hydrophilic Diblock Copolymer via Click Chemistry

X. JIANG, J. ZHANG, Y. ZHOU, J. XU, AND S. LIU 860

Published online 19 December 2007

Reaction Parameters in the RAFT Mediated Dispersion Polymerization of Styrene

P. J. SAIKIA, J. M. LEE, K. LEE, AND S. CHOE 872

Published online 19 December 2007

Synthesis, Optical Properties, and Spectral Stability of Chiral Dendronized Binaphthyl-Containing Polyfluorene Derivatives

Z.-T. LIU, Y.-M. HE, Z.-J. WANG, Y. FENG, AND Q.-H. FAN 886

Published online 19 December 2007

Using Apparent Molecular Weight from SEC in Controlled/Living Polymerization and Kinetics of Polymerization

Y. GUILLANEUF AND P. CASTIGNOLLES 897
Published online 19 December 2007

Nucleation of Gold Nanoparticles on Latex Particle Surfaces

H. KIM, E. S. DANIELS, V. L. DIMONIE, AND A. KLEIN 912
Published online 19 December 2007

Infrared Stealth and Anticorrosion Performances of Organically Modified Silicate-NiZn Ferrite/Polyaniline Hybrid Coatings

K. H. WU, P. H. CHEN, C. C. YANG, W. D. HO, AND C. I. LIU 926
Published online 19 December 2007

Synthesis of Polyisobutylene with Arylamino Terminal Group by Combination of Cationic Polymerization with Alkylation

C.-L. ZHANG, Y.-X. WU, X. XU, Y. LI, L. FENG, AND G.-Y. WU 936
Published online 20 December 2007

Synthesis and Characterization of Ethylene-Propylene-1-Pentene Terpolymers

M. A. DA SILVA AND G. B. GALLAND 947
Published online 20 December 2007

Synthesis, Characterization, and Properties of Linear Poly(ether sulfone)s with Dendritic Terminal Groups

K. OSANO AND S. R. TURNER 958
Published online 20 December 2007

Effect of Rate Retardation in RAFT Grafting Polymerization from Silicon Wafer Surface

D. LI, Y. LUO, B.-G. LI, AND S. ZHU 970
Published online 20 December 2007

Synthesis and Characterization of Novel Germanium-Containing Poly(*p*-phenylenevinylene) Derivatives

H.-J. CHO, D.-H. HWANG, J.-D. LEE, N.-S. CHO, S.-K. LEE, J. LEE, Y. K. JUNG, AND H.-K. SHIM 979
Published online 20 December 2007

Comparative Effect of Phthalazinone Units in Sulfonated Poly(arylene ether ether ketone ketone) Copolymers as Proton Exchange Membrane Materials

D. S. KIM AND M. D. GUIVER 989
Published online 20 December 2007

Synthesis and Characterization of Highly Fluorescent Polythiophene Derivatives Containing Polystyrene Sidearms

J. SHEN, K. TSUCHIYA, AND K. OGINO 1003
Published online 20 December 2007

Polystyrene/Fe_3O_4 Composite Latex via Miniemulsion Polymerization-Nucleation Mechanism and Morphology

Y.-D. LUO, C.-A. DAI, AND W.-Y. CHIU 1014

Published online 20 December 2007

A Novel Optically Active Diblock Copolymer Composed of Poly(ethylene glycol) and Poly[*N*-{*o*-(4-Phenyl-4,5-dihydro-1,3-oxazol-2-yl)phenyl}maleimide]: Synthesis, Micellization Behavior, and Chiroptical Property

L. LOU, L. JIANG, W. SUN, AND Z. SHEN 1025

Published online 20 December 2007

Synthesis of Hyperbranched Polymer Having Binaphthol Units via Oxidative Cross-Coupling Polymerization

T. TEMMA AND S. HABAUE 1034

Published online 20 December 2007

Vesicular and Tubular Structures Prepared from Self-Assembly of Novel Amphiphilic ABA Triblock Copolymers in Aqueous Solutions

Z. TIAN, H. LI, M. WANG, A. ZHANG, AND Z.-G. FENG 1042

Published online 20 December 2007

One-Step Preparation of Solution Processable Conducting Polyaniline by Inverted Emulsion Polymerization Using Didecyl Ester of 4-Sulfophthalic Acid as Multifunctional Dopant

A. JOHN, S. PALANIAPPAN, D. DJURADO, AND A. PRON 1051

Published online 21 December 2007

Electrorheological Properties of Carbon Nanotube/Polyelectrolyte Self-Assembled Polystyrene Particles by Layer-by-Layer Assembly

B.-S. KIM, B. KIM, AND K.-D. SUH 1058

Published online 21 December 2007

Ethylene Polymerization by Sterically and Electronically Modulated Ni(II) α-Diimine Complexes

B. K. BAHULEYAN, G. W. SON, D.-W. PARK, C.-S. HA, AND I. KIM 1066

Published online 21 December 2007

Designing Poly(amido amine) Dendrimers Containing Core Diversities by Click Chemistry of the Propargyl Focal Point Poly(amido amine) Dendrons

J. W. LEE, H. J. KIM, S. C. HAN, J. H. KIM, AND S.-H. JIN 1083

Published online 21 December 2007

Synthesis and Electro-Optical Properties of Light-Emitting Polymers Containing Oxadiazole Derivatives for Light-Emitting Diodes Applications

S.-C. KIM, S.-M. PARK, J. S. PARK, S.-J. LEE, S.-H. JIN, Y.-S. GAL, AND J. W. LEE 1098

Published online 21 December 2007

Synthesis of Semitelechelic POSS-Polymethacrylate Hybrids by Thiol-Mediated Controlled Radical Polymerization with Unusual Thermal Behaviors

A. KOTAL, S. SI, T. K. PAIRA, AND T. K. MANDAL 1111

Published online 21 December 2007

A New Oxidation State of Aniline Pentamer Observed in Water-Soluble Electroactive Oligoaniline-Chitosan Polymer

J. HU, L. HUANG, X. ZHUANG, X. CHEN, Y. WEI, AND X. JING 1124

Published online 21 December 2007

Synthesis and Characterization of Well-Defined ABC 3-Miktoarm Star-Shaped Terpolymers Based on Poly(styrene), Poly(ethylene oxide), and Poly(ε-caprolactone) by Combination of the "Living" Anionic Polymerization with the Ring-Opening Polymerization

G. WANG AND J. HUANG 1136

Published online 21 December 2007

Volume 46, 2008
Issue 4, February 15, 2008

HIGHLIGHT

Cyclic Oligomer Chemistry

D. J. BRUNELLE 1151

Published online 28 December 2007

Factors Influencing the C—ON Bond Strength of the Alkoxyamines in the Styrene–Acrylonitrile–TEMPO Copolymerization System

E. MEGIEL AND A. KAIM 1165

Published online 28 December 2007

Surface-Initiated Ring-Opening Polymerization of *p*-Dioxanone on Wang Resin Bead

H. J. LEE, B. RAMARAJ, S. M. LEE, AND K. R. YOON 1178

Published online 28 December 2007

Vinyl Addition Polymerization of Norbornene Using Cyclopentadienylzirconium Trichloride Activated by Isobutyl-Modified Methylaluminoxane

O. NISHIZAWA, H. MISAKA, T. KAKUCHI, AND T. SATOH 1185

Published online 28 December 2007

One-Stage Synthesis of Narrowly Dispersed Polymeric Core-Shell Microspheres

F. WEN, W. ZHANG, P. ZHENG, X. ZHANG, X. YANG, Y. WANG, X. JIANG, G. WEI, AND L. SHI 1192

Published online 28 December 2007

The Incorporation of Rigid Diol Monomers Into Poly(butylene terephthalate) via Solid-State Copolymerization and Melt Copolymerization

M. A. G. JANSEN, L. H. WU, J. G. P. GOOSSENS, G. D. WIT, C. BAILLY, C. E. KONING, AND G. PORTALE 1203

Published online 28 December 2007

ABCD 4-Miktoarm Star Quarterpolymers Using Click [3 + 2] Reaction Strategy

O. ALTINTAS, G. HIZAL, AND U. TUNCA 1218

Published online 28 December 2007

New Poly(ether-ester) Thermosets Obtained by Cationic Curing of DGEBA and 7,7-dimethyl-6,8-dioxaspiro[3.5] nonane-5,9-dione with Several Lewis Acids as Initiators

L. GONZÁLEZ, X. RAMIS, J. M. SALLA, A. MANTECÓN, AND A. SERRA 1229
Published online 28 December 2007

Styrene Polymerization Catalyzed by Metal Porphyrin Complex/MAO for *In Situ* Synthesizing Polystyrene Containing Air Stable π Cation Radicals

J. LI, M. LI, S. LI, L. SHI, C. REN, D. CUI, Y. WANG, AND T. TANG 1240
Published online 28 December 2007

Precision Synthesis of Microstructures in Star-Shaped Copolymers of ε-Caprolactone, L-Lactide, and 1,5-Dioxepan-2-One

K. ODELIUS AND A.-C. ALBERTSSON 1249
Published online 28 December 2007

Preparation of Single-Walled Carbon Nanotubes-Induced Poly(*p*-Oxybenzoyl) Crystals

K. KOBASHI, J. LOMEDA, Z. CHEN, S. AZAD, W.-F. HWANG, AND J. M. TOUR 1265
Published online 28 December 2007

Random and AB Diblock Copolymers of Tricyclodecanemethanol Urethane Methacrylate with Styrene: Synthesis and Morphology Characterization

V. D. DEEPAK AND S. K. ASHA 1278
Published online 28 December 2007

Synthesis and Characterization of Novel Photoisomerizable Liquid Crystalline Polymers Containing Cinnamoyl Groups

P.-C. YANG AND J.-H. LIU 1289
Published online 28 December 2007

Synthesis of Conjugated Polymers with Pendant Ruthenium Terpyridine Trithiocyanato Complexes and Their Applications in Heterojunction Photovoltaic Cells

K. W. CHENG, C. S. C. MAK, W. K. CHAN, A. M. C. NG, AND A. B. DJURIŠIĆ 1305
Published online 28 December 2007

A New Strategy to Characterize the Extent of Reaction of Thermoset Elastomers

A. R. WEBB, J. YANG, AND G. A. AMEER 1318
Published online 28 December 2007

Photoinitiated Dispersion Polymerization of Methyl Methacrylate: A Quick Approach to Prepare Polymer Microspheres with Narrow Size Distribution

J. CHEN, Z. ZENG, J. YANG, AND Y. CHEN 1329
Published online 28 December 2007

Synthesis and Thiol–Ene Photopolymerization of Allyl-Ether Functionalized Dendrimers

C. NILSSON, N. SIMPSON, M. MALKOCH, M. JOHANSSON, AND E. MALMSTRÖM 1339
Published online 28 December 2007

Conjugated Polymers Containing Electron-Transporting, Hole-Transporting, and Light-Emitting Units in the Polymer Main Chain

Y. FU, M. SUN, Y. WU, Z. BO, AND D. MA 1349

Published online 28 December 2007

Highly Absorbing Superabsorbent Polymer

T. K. MUDIYANSELAGE AND D. C. NECKERS 1357

Published online 28 December 2007

Dispersion Polymerization of MMA in Supercritical CO_2 Stabilized by Random Copolymers of 1*H*,1*H*–Perfluorooctyl Methacrylate and 2-(Dimethylaminoethyl Methacrylate)

H. S. HWANG, H. YUVARAJ, W. S. KIM, W.-K. LEE, Y.-S. GAL, AND K. T. LIM 1365

Published online 28 December 2007

Alkyl Side Chain Driven Tunable Red–Yellow–Green Emission: Investigation on the New π-Conjugated Polymers Comprising of 2,7-Carbazole Unit and 2,1,3-Benzo-Thiadiazole Units with Different Side Chains

J. DU, E. XU, H. ZHONG, F. YU, C. LIU, H. WU, D. ZENG, S. REN, J. SUN, Y. LIU, A. CAO, AND Q. FANG 1376

Published online 28 December 2007

Synthesis and Micellization of Star-Like Hyperbranched Polymer with Poly(ethylene oxide) and Poly(ε-caprolactone) Arms

H.-B. WANG, X.-S. CHEN, AND C.-Y. PAN 1388

Published online 28 December 2007

The Effect of γ-Cyclodextrin Addition in the Self-Assembly Behavior of Pyrene Labeled Poly(acrylic) Acid with Different Chain Sizes

T. COSTA AND J. S. S. DE MELO 1402

Published online 28 December 2007

Atom Transfer Radical Polymerization of Methyl Methacrylate Catalyzed by Ion Exchange Resin Immobilized Co(II) Hybrid Catalyst

Z. X. HUANG, Y. M. ZHANG, H. LI, Y. H. LUAN, AND Y. G. LIU 1416

Published online 28 December 2007

Thermally Latent Polyaddition and Curing of Di- and Tri-Functional Hemiacetal Esters with Diepoxide by Salen-Zinc Complex with Tunable Catalytic Activity and Model and Networking Reactions

H. KOMATSU, B. OCHIAI, AND T. ENDO 1427

Published online 28 December 2007

Polysaccharide-Templated Twisted Assemble of 2-Anilinonaphthalene-6-sulfonic Acid

N. SHIMADA, T. OKOBIRA, Y. TAKEDA, S. SHINKAI, AND K. SAKURAI 1440

Published online 28 December 2007

Branched Polymer Via Free Radical Polymerization of Chain Transfer Monomer: A Theoretical and Experimental Investigation

J. LIU, Y. WANG, Q. FU, X. ZHU, AND W. SHI 1449

Published online 28 December 2007

Propagation Kinetics of Free-Radical Polymerizations in Ionic Liquids

I. WOECHT, G. SCHMIDT-NAAKE, S. BEUERMANN, M. BUBACK, AND N. GARCÍA 1460

Published online 28 December 2007

Fluorescent Polymer Particles Incorporating Pyrene Derivatives

T. TAMAI, M. WATANABE, H. MAEDA, AND K. MIZUNO 1470

Published online 28 December 2007

Styrene/1,3-Butadiene Copolymerization by C_2-Symmetric Group 4 Metallocenes Based Catalysts

M. NAPOLI, R. RICCIARDI, A. MEMOLI, AND P. LONGO 1476

Published online 28 December 2007

Styrene-Ethylene Co-Oligomerization with Bis-(Diphenylphosphino)-Amine/Chromium Catalysts and the Use of the Co-Oligomerization Products in Copolymerization Reactions with Metallocenes

A. DU TOIT, D. DE WET-ROOS, D. J. JOUBERT, AND A. J. VAN REENEN 1488

Published online 28 December 2007

High-Throughput Kinetic Analysis of Acrylate and Thiol-Ene Photopolymerization Using Temperature and Exposure Time Gradients

P. M. JOHNSON, J. W. STANSBURY, AND C. N. BOWMAN 1502

Published online 28 December 2007

Synthesis and Properties of Highly Refractive Polyimides Derived from Fluorene-Bridged Sulfur-Containing Dianhydrides and Diamines

C. A. TERRAZA, J.-G. LIU, Y. NAKAMURA, Y. SHIBASAKI, S. ANDO, AND M. UEDA 1510

Published online 28 December 2007

Synthesis of Chalcone-Based Fluorescent Polymers: Diels-Alder Reaction of Chalcones and Their Polymerization Through ROMP

R. KAMAKSHI AND B. S. R. REDDY 1521

Published online 28 December 2007

Volume 46, 2008
Issue 5, March 1, 2008

RAPID COMMUNICATIONS

Poly(Tetramethylene Ether) Glycol Containing Acetal Linkages: New PTMG-Based Polyol for Chemically Recyclable Polyurethane Thermoplastic Elastomer

T. HASHIMOTO, H. MORI, AND M. URUSHISAKI 1893

Published online 28 January 2008

Synthesis and Microphase-Separated Structure of Poly(Tricyclodecyl Vinyl Ether)-*block*-Poly(*n*-Butyl Vinyl Ether)-*block*-Poly(Tricyclodecyl Vinyl Ether): New Triblock Copolymer as Thermoplastic Elastomer Composed Solely of Poly(Vinyl Ether) Backbones

T. HASHIMOTO, T. NAMIKOSHI, S. IRIE, M. URUSHISAKI, T. SAKAGUCHI, T. NEMOTO, AND S. ISODA 1902

Published online 28 January 2008

Syntheses of Bisphenol-Type Oligomers Having Five-Membered Dithiocarbonate Groups at the Terminals and Their Application as Accelerators to Epoxy-Amine Curing System

Y. ZHANG, A. SUDO, AND T. ENDO 1907
Published online 28 January 2008

Facile Metal-Free Living Cationic Polymerization of Various Vinyl Ethers by Hydrogen Chloride with Ether

S. SUGIHARA, Y. TANABE, M. KITAGAWA, AND I. IKEDA 1913
Published online 28 January 2008

ARTICLES

Divergent Synthesis and Self-Assembly of Amphiphilic Polymeric Dendrons with Selective Degradable Linkages

C. N. URBANI, D. E. LONSDALE, C. A. BELL, M. R. WHITTAKER, AND M. J. MONTEIRO 1533
Published online 22 January 2008

Two Novel Oligomers Based on Fluorene and Pyridine: Correlation Between the Structures and Optoelectronic Properties

H.-J. JIANG, H.-Y. WANG, R. ZHU, J.-H. WAN, F. LIU, J.-C. FENG, W. WEI, AND W. HUANG 1548
Published online 22 January 2008

Penultimate Effect in Radical Copolymerization of 2-Trifluoromethylacrylates

H. ITO, B. C. TRINQUE, P. KASAI, AND C. GRANT WILLSON 1559
Published online 22 January 2008

Synthesis, Characterization, and Electroluminescence of PPV Copolymers Containing Electron and Hole-Transporting Units

S. XUN, Q. ZHOU, H. LI, D. MA, L. WANG, X. JING, AND F. WANG 1566
Published online 22 January 2008

Nanometer-Scale Surface Modification by Polymerization of Tetrafluoroethylene on Polymer Substrates in Supercritical Fluoroform

T. MORI, K. IMAI, M. HASEGAWA, AND Y. OKAHATA 1577
Published online 22 January 2008

Synthesis and Ion-Sensing Phenomena of Two New Helical Conjugated Oligomers Containing 1,10-Phenanthroline and Oligo-Alkylthiophene

C.-G. WU, H.-C. LU, L.-N. CHEN, AND Y.-C. LIN 1586
Published online 22 January 2008

Dimer Effect on Fractional Polycondensation of Poly(*p*-Oxybenzoyl)

K. KIMURA, Y. SHIMIZU, T. ICHIMORI, S.-I. KOHAMA, S. YAMAZAKI, AND Y. YAMASHITA 1598
Published online 22 January 2008

Poly(4-Acryloylmorpholine) Oligomers Carrying a β-Cyclodextrin Residue at One Terminus

M. BENCINI, E. RANUCCI, P. FERRUTI, A. MANFREDI, F. TROTTA, AND R. CAVALLI 1607
Published online 24 January 2008

Synthesis and Characterization of a Series of 2-Aminopyridine Nickel(II) Complexes and Their Catalytic Properties Toward Ethylene Polymerization

Z. HUANG, K. SONG, F. LIU, J. LONG, H. HU, H. GAO, AND Q. WU 1618

Published online 22 January 2008

Living Cationic Polymerization of 2-Adamantyl Vinyl Ether

T. HASHIMOTO, Y. MAKINO, M. URUSHISAKI, AND T. SAKAGUCHI 1629

Published online 22 January 2008

Palladium-Mediated Polymerization of Cyclic Diazoketones

E. IHARA, T. HIRAREN, T. ITOH, AND K. INOUE 1638

Published online 22 January 2008

Synthesis of Poly(isobornyl acrylate) Containing Copolymers by Atom Transfer Radical Polymerization

B. DERVAUX, W. V. CAMP, L. V. RENTERGHEM, AND F. E. DU PREZ 1649

Published online 22 January 2008

Synthesis of Highly Conductive EDOT Copolymer Films via Oxidative Chemical *In Situ* Polymerization

J. H. CHEN, C.-A. DAI, AND W.-Y. CHIU 1662

Published online 22 January 2008

Synthesis and Properties of Porous Polyvinylamine Microspheres from Acrylonitrile

X. HOU, D. HUANG, X. CHEN, Z. ZHANG, AND K. YAO 1674

Published online 22 January 2008

Functionalization and Molecular Dynamics Study of Carboxy-Terminated Poly(1-vinylpyrrolidin-2-one): A Potential Soluble Carrier of Biomolecules

C. BALDOLI, C. OLDANI, S. MAIORANA, P. FERRUTI, E. RANUCCI, M. BENCINI, AND A. CONTINI 1683

Published online 22 January 2008

Facile Synthesis of Core-Shell Organic–Inorganic Hybrid Nanoparticles with Amphiphilic Polymer Shell by One-Step Sol–Gel Reactions

M. MARINI, M. TOSELLI, S. BORSACCHI, G. MOLLICA, M. GEPPI, AND F. PILATI 1699

Published online 24 January 2008

Synthesis and Dielectric Properties of Photoreactive Polystyrene Containing [1-(3-Isopropenyl-phenyl)-1-methyl-ethyl]-carbamate in the Side Chain

J. H. KIM, K. H. KIM, M. J. CHO, J.-I. JIN, D. H. CHOI, G. W. HYUNG, AND Y. K. KIM 1710

Published online 22 January 2008

Sonochemical Immobilization of Silver Nanoparticles on Porous Polypropylene

N. PERKAS, M. SHUSTER, G. AMIRIAN, Y. KOLTYPIN, AND A. GEDANKEN 1719

Published online 22 January 2008

Confined Space Regulated Polymerization

Y.-Z. YOU AND C.-Y. PAN 1730

Published online 24 January 2008

Precise Control of Microstructure of Functionalized Polypropylene Synthesized by the *ansa*-Zirconocene/MAO Catalysts

H. HAGIHARA, T. ISHIHARA, H. THE BAN, AND T. SHIONO 1738

Published online 24 January 2008

Permeability Control in Electro-Sensitive Microcapsules with Immobilized Ferroelectric Liquid Crystalline Segments

M. YOSHIDA, T. MATSUI, Y. HATATE, T. TAKEI, K. SHIOMORI, AND S. KIYOYAMA 1749

Published online 24 January 2008

Synthesis and Characterization of Sulfonated Poly(phthalazinone ether phosphine oxide)s by Direct Polycondensation for Proton Exchange Membranes

X. MA, C. ZHANG, G. XIAO, D. YAN, AND G. SUN 1758

Published online 24 January 2008

The Synthesis and Characterization of New Thermoplastic Poly(thiourethane-urethane)s

A. KULTYS, M. ROGULSKA, AND S. PIKUS 1770

Published online 24 January 2008

Synthesis and Photorefractivity of Poly[methyl-3-(7-dibenzo[*a*,*g*] carbazolyl)-propylsiloxane]

I. K. MOON, C.-S. CHOI, AND N. KIM 1783

Published online 24 January 2008

Preparation and Characterization of Branched and Linear Sulfonated Poly(ether ketone sulfone) Proton Exchange Membranes for Fuel Cell Applications

H. S. PARK, D. W. SEO, S. W. CHOI, Y. G. JEONG, J. H. LEE, D. I. KIM, AND W.-G. KIM 1792

Published online 25 January 2008

Studies on the Conducting Nanocomposite Prepared by *In Situ* Polymerization of Aniline Monomers in a Neat (Aqueous) Synthetic Mica Clay

C.-S. WU, Y.-J. HUANG, T.-H. HSIEH, P.-T. HUANG, B.-Z. HSIEH, Y.-K. HAN, AND K.-S. HO 1800

Published online 25 January 2008

Thermoreversible Covalent Crosslinking of Maleated Ethylene/Propylene Copolymers with Diols

M. A. J. VAN DER MEE, J. G. P. GOOSSENS, AND M. VAN DUIN 1810

Published online 25 January 2008

Well-Defined Complex Macromolecular Architectures by Anionic Polymerization of Styrenic Single and Double Homo/Miktoarm Star-Tailed Macromonomers

P. DRIVA, D. J. LOHSE, AND N. HADJICHRISTIDIS 1826

Published online 25 January 2008

Single Layer Light-Emitting Diodes from Copolymers Comprised of Mesogen-Jacketed Polymer Containing Oxadiazole Units and PVK

P. WANG, C. CHAI, F. WANG, Y. CHUAI, X. CHEN, X. FAN, D. ZOU, AND Q. ZHOU 1843

Published online 25 January 2008

Novel Aliphatic Poly(ester-carbonate) with Pendant Allyl Ester Groups and its Folic Acid Functionalization

X. HU, X. CHEN, S. LIU, Q. SHI, AND X. JING 1852

Published online 25 January 2008

Multifunctional Materials Based on Polyazomethines Derived from 2,5-Dihydroxy-1,4-Benzoquinone and Siloxane Diamines

M. CAZACU, A. VLAD, G. MUNTEANU, AND A. AIRINEI 1862

Published online 25 January 2008

Living Star Polymer Formation (RAFT) Studied via Electrospray Ionization Mass Spectrometry

H. CHAFFEY-MILLAR, G. HART-SMITH, AND C. BARNER-KOWOLLIK 1873

Published online 25 January 2008

NOTE

Statistical Copolymers of 2-(Trimethylsilyloxy)ethyl Methacrylate and Methyl Methacrylate Synthesized by ATRP

P. RITZ, P. LÁTALOVÁ, J. KŘÍŽ, J. GENZER, AND P. VLČEK 1919

Published online 28 January 2008

Volume 46, 2008
Issue 6, March 15, 2008

HIGHLIGHT

Self-Assembly of Supramolecular Polymers into Tunable Helical Structures

H.-J. KIM, Y.-B. LIM, AND M. LEE 1925

Published online 5 February 2008

RAPID COMMUNICATIONS

Controlled Ring-Opening Polymerization of ε-Caprolactone Using Polymer-Supported Scandium Catalyst

A. TAKASU, M. OSHIMURA, AND T. HIRABAYASHI 2300

Published online 13 February 2008

Thermally Dissociable *Pseudo*-Polyrotaxane as a Supramolecular Shrinkage Suppressor for Epoxy–Amine Curing System

Y. ISOBE, A. SUDO, AND T. ENDO 2305

Published online 13 February 2008

ARTICLES

Solvent Influence on the Orthogonality of Noncovalently Functionalized Terpolymers

C. BURD AND M. WECK 1936

Published online 11 February 2008

Construction of Polymer Skeletons with Radiation-Scissile Groups at Predetermined Sites

T. SHIMIZU, T. HAYAKAWA, T. SOGABE, AND T. ICHIKAWA 1945
Published online 5 February 2008

Micelle Formation and Sol–Gel Transition Behavior of Comb-Like Amphiphilic Poly((PLGA-*b*-PEG)MA) Copolymers

C. W. PARK, S. J. LEE, D. KIM, D. S. LEE, AND S. C. KIM 1954
Published online 5 February 2008

Ozonolysis Efficiency of PS-*b*-PI Block Copolymers for Forming Nanoporous Polystyrene

S.-Y. CHEN, Y. HUANG, AND R. C.-C. TSIANG 1964
Published online 5 February 2008

Electrochemical and Optical Properties of Novel Donor-Acceptor Thiophene-Perylene-Thiophene Polymers

S. KOYUNCU, M. KUS, S. DEMIC, I. KAYA, E. OZDEMIR, AND S. ICLI 1974
Published online 11 February 2008

Solid-Supported Synthesis of Well-Defined Amphiphilic Block Copolymer from Methacrylates

D. NAGAI, A. FUJII, B. OCHIAI, A. SUDO, AND T. ENDO 1990
Published online 11 February 2008

Synthesis of a Novel Poly(*para*-phenylene ethynylene) for Highly Selective and Sensitive Sensing Mercury (II) Ions

C. LI, C. ZHOU, H. ZHENG, X. YIN, Z. ZUO, H. LIU, AND Y. LI 1998
Published online 5 February 2008

Free-Radical-Promoted Cationic Photopolymerization Under Visible Light in Aerated Media: New and Highly Efficient Silane-Containing Initiating Systems

J. LALEVÉE, M. EL-ROZ, X. ALLONAS, AND J. PIERRE FOUASSIER 2008
Published online 5 February 2008

Tripodal Imidazole Containing Ligands for Copper Catalyzed ATRP

Y. YAMAMURA AND K. MATYJASZEWSKI 2015
Published online 11 February 2008

Synthesis, Light Emission, and Photovoltaic Properties of Perylene-Containing Polyacetylenes

J. HUA, J. W. Y. LAM, X. YU, L. WU, H. S. KWOK, K. S. WONG, AND B. Z. TANG 2025
Published online 11 February 2008

Ethylene Polymerizations, and the Copolymerizations of Ethylene with Hexene or Norbornene with Highly Active Mono(β-enaminoketonato) Vanadium(III) Catalysts

L.-M. TANG, J.-Q. WU, Y.-Q. DUAN, L. PAN, Y.-G. LI, AND Y.-S. LI 2038
Published online 11 February 2008

Systematic Investigation of Functional Core Variation Within Hyperbranched Polyglycerols

E. BARRIAU, L. PASTOR-PÉREZ, E. BERGER-NICOLETTI, A. F. M. KILBINGER, H. FREY, AND S.-E. STIRIBA 2049

Published online 11 February 2008

Metal Nanocomposite Films Prepared *In Situ* from PVA and Silver Nitrate. Study of the Nanostructuration Process and Morphology as a Function of the *In Situ* Routes

S. CLÉMENSON, D. LÉONARD, D. SAGE, L. DAVID, AND E. ESPUCHE 2062

Published online 11 February 2008

Preparation and Property of Two Soluble Oxadiazole-Containing Functional Polyacetylenes

X. WANG, J. WU, H. XU, P. WANG, AND B. Z. TANG 2072

Published online 11 February 2008

Comparison of Micelles Formed by Amphiphilic Star Block Copolymers Prepared in the Presence of a Nonmetallic Monomer Activator

H. HYUN, J. S. CHO, B. S. KIM, J. WON LEE, M. S. KIM, G. KHANG, K. PARK, AND H. B. LEE 2084

Published online 11 February 2008

A Facile Route of Polythiophene Nanoparticles via Fe^{3+}-Catalyzed Oxidative Polymerization in Aqueous Medium

S. J. LEE, J. M. LEE, I. W. CHEONG, H. LEE, AND J. H. KIM 2097

Published online 11 February 2008

Synthesis and Characterization of Resorcinarene-Centered Eight-Arm Poly(ε-caprolactone) Stars Catalyzed by Yttrium Complex

P.-F. GOU, W.-P. ZHU, AND Z.-Q. SHEN 2108

Published online 12 February 2008

Organic/Inorganic Hybrid Nanospheres Coated with Palladium/P4VP Shells from Surface-Initiated Atom Transfer Radical Polymerization

Z. CHENG, L. ZHANG, X. ZHU, E. T. KANG, AND K. G. NEOH 2119

Published online 11 February 2008

Synthesis of Amphiphilic Poly(methyl methacrylate-*b*-ethylene oxide) Copolymers from Monohydroxy Telechelic Poly(methyl methacrylate) as Macroinitiator

M. G. DHARA, D. BASKARAN, AND S. SIVARAM 2132

Published online 11 February 2008

Synthesis, Characterization, and Nucleotidic Chain Cleavage Ability of Uncharged Water Soluble Poly(ethylene glycol)-Fullerene Derivatives with an Amphiphilic Character

D. VITALINI, E. SPINA, S. DATTILO, P. MINEO, AND E. SCAMPORRINO 2145

Published online 11 February 2008

Synthesis of ABCD 4-Miktoarm Star-Shaped Quarterpolymers by Combination of the "Click" Chemistry with Multiple Polymerization Mechanism

G. WANG, X. LUO, C. LIU, AND J. HUANG 2154

Published online 11 February 2008

The Comonomer Inducing Selective β-Methyl Elimination Chain Transfer: A New Approach for End-Functionalizations of Syndiotactic Polypropylene-Based Copolymers

W.-F. LIN AND J.-C. TSAI 2167

Published online 11 February 2008

Solvent-Free Free-Radical Frontal Polymerization: A New Approach to Quickly Synthesize Poly(*N*-vinylpyrrolidone)

X. CAI, S. CHEN, AND L. CHEN 2177

Published online 11 February 2008

Synthesis of Novel Branched Ethylene/Cyclopentene Copolymers with Only *cis*-1,3-Enchained Cyclopentene Units Using α-Diimine Nickel(II) Complexes in the Presence of Methylaluminoxane

H. ZOU, F. ZHU, AND Q. WU 2186

Published online 12 February 2008

Using Glycidyl Methacrylate as Cross-linking Agent to Prepare Thermosensitive Hydrogels by a Novel One-Step Method

J. DENG, Q. HE, Z. WU, AND W. YANG 2193

Published online 12 February 2008

Living Cationic Polymerization of α-Methyl Vinyl Ethers Using $SnCl_4$

M. YONEZUMI, R. TAKAKU, S. KANAOKA, AND S. AOSHIMA 2202

Published online 12 February 2008

Thermosensitive Diblock Copolymers with Designed Molecular Weight Distribution: Synthesis by Continuous Living Cationic Polymerization and Micellization Behavior

K-I. SENO, S. KANAOKA, AND S. AOSHIMA 2212

Published online 12 February 2008

Horseradish Peroxidase Immobilized in Macroporous Hydrogel for Acrylamide Polymerization

Q. ZHAO, J. SUN, H. REN, Q. ZHOU, AND Q. LIN 2222

Published online 12 February 2008

Role of Thiol-Disulfide Exchange in Episulfide Polymerization

G. KILCHER, L. WANG, AND N. TIRELLI 2233

Published online 12 February 2008

Pd(0)-Catalyzed Polycondensation of Methyl Propargyl Carbonate and Bisphenols Under Stoichiometrically Imbalanced Conditions

T. TAKEMURA, K. SUGIE, H. NISHINO, S. KAWABATA, AND T. KOIZUMI 2250

Published online 12 February 2008

Synthesis and Characterization of Epoxy-Based Semi-Interpenetrating Polymer Networks Sulfonated Polyimides Proton-Exchange Membranes for Direct Methanol Fuel Cell Applications

C.-H. LEE AND Y.-Z. WANG 2262

Published online 13 February 2008

Synthesis of Methacrylate Derivatives Oligomers by Dithiobenzoate-RAFT-Mediated Polymerization

E. H. NEJAD, P. CASTIGNOLLES, R. G. GILBERT, AND Y. GUILLANEUF 2277

Published online 13 February 2008

Synthesis and Photopolymerizations of New Phosphonated Monomers for Dental Applications

B. YENIAD, A. Z. ALBAYRAK, N. C. OLCUM, AND D. AVCI 2290

Published online 13 February 2008

Volume 46, 2008
Issue 7, April 1, 2008

RAPID COMMUNICATIONS

Facile Room Temperature RAFT Polymerization via Redox Initiation

H. ZHENG, W. BAI, K. HU, R. BAI, AND C. PAN 2575

Published online 5 February 2008

Dendritic Networks Containing Polyhedral Oligomeric Silsesquioxane (POSS) and Carborane Clusters

M. K. KOLEL-VEETIL, D. D. DOMINGUEZ, AND T. M. KELLER 2581

Published online 25 February 2008

ARTICLES

Creating Microenvironments Using Encapsulated Polymers?

M. KOBAŠLIJA, A. R. BOGDAN, S. L. POE, F. ESCOBEDO, AND D. T. MCQUADE 2309

Published online 22 February 2008

Synthesis and Crosslinking Behavior of a Novel Linear Polymer Bearing 1,2,3-Triazol and Benzoxazine Groups in the Main Chain by a Step-Growth Click-Coupling Reaction

A. NAGAI, Y. KAMEI, X.-S. WANG, M. OMURA, A. SUDO, H. NISHIDA, E. KAWAMOTO, AND T. ENDO 2316

Published online 22 February 2008

Synthesis and Properties of Amino Acid Esters of Hydroxypropyl Cellulose

F. Z. KHAN, M. SHIOTSUKI, F. SANDA, Y. NISHIO, AND T. MASUDA 2326

Published online 25 February 2008

Arborescent Polystyrene-*graft*-Poly(*tert*-Butyl Methacrylate) Copolymers: Synthesis and Enhanced Polyelectrolyte Effect in Solution

R. A. KEE AND M. GAUTHIER 2335

Published online 25 February 2008

Initiator Selectivity During Free Radical Copolymerizations of Styrene and Methyl Methacrylate Initiated by Anaerobic Copper(II) Oxidation of Carbon-13 Labeled Acetophenone

H. J. HARWOOD, K. MCNAMARA, J. J. JOHNSON, AND F. J. WYZGOSKI 2347

Published online 25 February 2008

Highly Porous Elastomer-Silsesquioxane Nanocomposites Synthesized Within High Internal Phase Emulsions

J. NORMATOV AND M. S. SILVERSTEIN 2357

Published online 25 February 2008

Bipolar Poly(*p*-phenylene vinylene)s Bearing Electron-Donating Triphenylamine or Carbazole and Electron-Accepting Quinoxaline Moieties

P. KARASTATIRIS, J. A. MIKROYANNIDIS, AND I. K. SPILIOPOULOS 2367

Published online 25 February 2008

Facile Fabrication of Hybrid Nanoparticles Surface Grafted with Multi-Responsive Polymer Brushes via Block Copolymer Micellization and Self-Catalyzed Core Gelation

Y. ZHANG, W. GU, H. XU, AND S. LIU 2379

Published online 22 February 2008

Tadpole-Shaped Amphiphilic Copolymers Prepared via RAFT Polymerization and Click Reaction

G.-Y. SHI, X.-Z. TANG, AND C.-Y. PAN 2390

Published online 22 February 2008

UV-Induced Crosslinking of Ring Opening Metathesis Block Copolymer Micelles

M. SANDHOLZER, S. BICHLER, F. STELZER, AND C. SLUGOVC 2402

Published online 22 February 2008

Energetic Polymer Salts from 1-Vinyl-1,2,4-triazole Derivatives

H. XUE, H. GAO, AND J. M. SHREEVE 2414

Published online 22 February 2008

Synthesis and Characterization of Fluorescently Labeled Core Cross-Linked Star Polymers

M. SPINIELLO, A. BLENCOWE, AND G. G. QIAO 2422

Published online 22 February 2008

Quantitative IR Characterization of Urea Groups in Waterborne Polyurethanes

Y. SHI, X. ZHAN, Z. LUO, Q. ZHANG, AND F. CHEN 2433

Published online 22 February 2008

Solvent-Free and Nonisocyanate Melt Transurethane Reaction for Aliphatic Polyurethanes and Mechanistic Aspects

P. DEEPA AND M. JAYAKANNAN 2445

Published online 25 February 2008

Synthesis and Characterization of Functional Polyesters Tailored for Biomedical Applications

B. CERBAI, R. SOLARO, AND E. CHIELLINI 2459

Published online 25 February 2008

Breakdown Kinetics of Aggregates from Poly(ethylene glycol-*bl*-propylene sulfide) Di- and Triblock Copolymers Induced by a Non-Ionic Surfactant

S. CERRITELLI, D. VELLUTO, J. A. HUBBELL, AND A. FONTANA 2477

Published online 25 February 2008

Synthesis of Poly(glycidol)-*block*-Poly(*N*-isopropylacrylamide) Copolymers Using New Hydrophilic Poly(glycidol) Macroinitiator

S. MENDREK, A. MENDREK, H.-J. ADLER, W. WALACH, A. DWORAK, AND D. KUCKLING 2488

Published online 27 February 2008

Initialization Behavior at Various Target Molecular Weight RAFT-Mediated Methyl Acrylate Polymerizations

E. T. A. VAN DEN DUNGEN, H. MATAHWA, J. B. McLEARY, R. D. SANDERSON, AND B. KLUMPERMAN 2500

Published online 5 February 2008

***N*-Vinylcaprolactam-Based Microgels: Synthesis and Characterization**

A. IMAZ AND J. FORCADA 2510

Published online 25 February 2008

Synthesis of Polypeptides from Activated Urethane Derivatives of α-Amino Acids

Y. KAMEI, A. SUDO, H. NISHIDA, K. KIKUKAWA, AND T. ENDO 2525

Published online 27 February 2008

Emulsion Synthesis of Nanoparticles Containing PEDOT Using Conducting Polymeric Surfactant: Synergy for Colloid Stability and Intercalation Doping

C.-A. DAI, C.-J. CHANG, H.-Y. CHI, H.-T. CHIEN, W.-F. SU, AND W.-Y. CHIU 2536

Published online 25 February 2008

Fluorene-Rich High Performance Polyesters: Synthesis and Characterization of 9,9-Fluorenylidene and 2,7-Fluorenylene-Based Polyesters with Excellent Optical Property

S. SEESUKPHRONRARAK, S. KAWASAKI, K. KOBORI, AND T. TAKATA 2549

Published online 27 February 2008

Synthesis and Modification of Supports with an Alkylamine and Their Use in Albumin Adsorption

C. G. GOMEZ AND M. C. STRUMIA 2557

Published online 25 February 2008

Synthesis and Characterization of a Starch-Modified Hydrogel as Potential Carrier for Drug Delivery System

A. V. REIS, M. R. GUILHERME, T. A. MOIA, L. H. C. MATTOSO, E. C. MUNIZ, AND E. B. TAMBOURGI 2567

Published online 25 February 2008

NOTES

A New Series of Cyclic 5-Membered Dithiocarbonates Having Urethane Tether: Application as an Adhesion Promoter to Epoxy-Amine Curing System

A. SUDO, S. MOTOKUCHO, AND T. ENDO 2588

Published online 5 February 2008

Polymerization of Aliphatic Alkynes with Heterogeneous Mo Catalysts Supported on Mesoporous Molecular Sieves

H. BALCAR, P. TOPKA, J. SEDLÁČEK, J. ZEDNÍK, AND J. ČEJKA 2593

Published online 25 February 2008

Volume 46, 2008
Issue 8, April 15, 2008

HIGHLIGHT

Self-Assembled Organic Nanotubes: Toward Attoliter Chemistry

T. SHIMIZU 2601

Published online 14 March 2008

RAPID COMMUNICATIONS

Polyfluorenes with On-Chain Dibenzoborole Units—Synthesis and Anion-Induced Photoluminescence Quenching

V. D. B. BONIFÁCIO, J. MORGADO, AND U. SCHERF 2878

Published online 18 March 2008

A Direct Preparation of Silica Shell on Polystyrene Microspheres Prepared by Dispersion Polymerization with Polyvinylpyrrolidone

J. HONG, H. HAN, C. K. HONG, AND S. E. SHIM 2884

Published online 18 March 2008

ARTICLES

Networks and Conetworks of PIB-Based Cyanoacrylate-Telechelic Prepolymers: Synthesis, Characterization, and Properties

S. K. JEWRAJKA AND J. P. KENNEDY 2612

Published online 5 February 2008

Preparation of Amphiphilic Ternary Block Copolymers with PEO as the Middle Block and the Effect of PEO Position on the Glass Transition Temperature (T_g) of Copolymers

Y. ZHANG, M. PAN, C. LIU, AND J. HUANG 2624

Published online 15 February 2008

PMMA Colloid Particles Armored by Clay Layers with PDMAEMA Polymer Brushes

J. ZHANG, K. CHEN, AND H. ZHAO 2632

Published online 14 March 2008

Water Soluble Poly(ethylene oxide) Functionalized Norbornene Polymers

S. F. ALFRED, Z. M. AL-BADRI, A. E. MADKOUR, K. LIENKAMP, AND G. N. TEW 2640

Published online 15 February 2008

Convenient Synthesis of Poly(γ-benzyl-L-glutamate) from Activated Urethane Derivatives of γ-benzyl-L-glutamate

Y. KAMEI, A. NAGAI, A. SUDO, H. NISHIDA, K. KIKUKAWA, AND T. ENDO 2649

Published online 5 February 2008

Study on the Preparation and the Self-Assembly of Poly(propyleneimine)–Poly(styrene) Nanoparticles

Y. ZHU, Z. XU, AND C. YI 2658

Published online 14 March 2008

Synthesis and Characterization of Acrylamide/Acrylic Acid Hydrogels Crosslinked Using a Novel Diacrylate of Glycerol to Produce Multistructured Materials

L. C. LOPEZ-URETA, E. OROZCO-GUAREÑO, L. E. CRUZ-BARBA, A. GONZALEZ-ALVAREZ, AND F. BAUTISTA-RICO 2667

Published online 14 March 2008

4,9-Dihydro-*s*-indaceno[1,2-b:5,6-b′]dithiophene-4,9-dione Functionalized Copolymers for Organic Photovoltaic Devices

C. ZHAO, X. CHEN, Y. ZHANG, AND M.-K. NG 2680

Published online 14 March 2008

Synthesis of a Hyperbranched Polythioketal with 100% Degree of Branching

W. SINANANWANICH AND M. UEDA 2689

Published online 14 March 2008

Reverse ATRP Process of Acrylonitrile in the Presence of Ionic Liquids

C. HOU, R. QU, C. JI, C. SUN, AND C. WANG 2701

Published online 17 March 2008

A New Controllable Approach to Synthesize Hyperbranched Poly(siloxysilanes)

S.-J. WANG, X.-D. FAN, J. KONG, X. WANG, Y.-Y. LIU, AND G.-B. ZHANG 2708

Published online 17 March 2008

Iterative Tandem Catalysis of Racemic AB Monomers

Ü. KANCA, J. V. BUIJTENEN, B. A. C. VAN AS, P. A. KOREVAAR, J. A. J. M. VEKEMANS, A. R. A. PALMANS, AND E. W. MEIJER 2721

Published online 17 March 2008

Novel Hepatoma-Targeting Micelles Based on Chemoenzymatic Synthesis and Self-Assembly of Galactose-Functionalized Ribavirin-Containing Amphiphilic Random Copolymer

X. LI, Q. WU, M. LU, F. ZHANG, AND X. LIN 2734

Published online 17 March 2008

Ultrafast SET-LRP of Methyl Acrylate at 25 °C in Alcohols

G. LLIGADAS AND V. PERCEC 2745

Published online 5 February 2008

Boehmite Nanorod-Reinforced-Polyethylenes and Ethylene/1-Octene Thermoplastic Elastomer Nanocomposites Prepared by *In Situ* Olefin Polymerization and Melt Compounding

T. S. HALBACH, Y. THOMANN, AND R. MÜLHAUPT 2755

Published online 17 March 2008

***N*-Vinylcaprolactam-Based Microgels: Effect of the Concentration and Type of Cross-Linker**

A. IMAZ AND J. FORCADA 2766

Published online 17 March 2008

Polymerization of 3-Ethynylthiophene with Homogeneous and Heterogeneous Rh Catalysts

J. SVOBODA, J. SEDLÁČEK, J. ZEDNÍK, G. DVOŘÁKOVÁ, O. TRHLÍKOVÁ, D. RÉDROVÁ, H. BALCAR, AND J. VOHLÍDAL 2776

Published online 17 March 2008

Synthesis, Characterization, and Fluorescence of Pyrene-Containing Eight-Arm Star-Shaped Dendrimer-Like Copolymer with Pentaerythritol Core

W. YUAN, J. YUAN, M. ZHOU, AND C. PAN 2788

Published online 17 March 2008

Styrene 4-Vinylbenzocyclobutene Copolymer for Microelectronic Applications

Y.-H. SO, S. F. HAHN, Y. LI, AND M. T. REINHARD 2799

Published online 17 March 2008

Copolymerization of Ethylene with Cycloolefins by Titanium Complexes Containing Tridentate [O^-NS^R] Ligands

M.-L. GAO, X.-L. SUN, Y.-F. GU, X.-L. YAO, C.-F. LI, J.-Y. BAI, C. WANG, Z. MA, Y. TANG, Z. XIE, S.-Z. BU, AND C. QIAN 2807

Published online 18 March 2008

Synthesis and Properties of Novel Polyimides from Sulfonated Binaphthalene Dianhydride for Proton Exchange Membranes

N. LI, Z. CUI, S. ZHANG, AND S. LI 2820

Published online 18 March 2008

Characterization of the Micellar Ring Opening Metathesis Polymerization in Water of a Norbornene Derivative Initiated by Hoveyda-Grubbs' Catalyst

A.-F. MINGOTAUD, C. MINGOTAUD, AND W. MOUSSA 2833

Published online 18 March 2008

Preparation of a Xanthate-Terminated Dextran by Click Chemistry: Application to the Synthesis of Polysaccharide-Coated Nanoparticles Via Surfactant-Free *Ab Initio* Emulsion Polymerization of Vinyl Acetate

J. BERNARD, M. SAVE, B. ARATHOON, AND B. CHARLEUX 2845

Published online 18 March 2008

Polymerization of 2-Pentene with Ni(II) α-diimine Complex/M-MAO Catalyst and Structure of the Polymer

K. ENDO AND Y. KONDO 2858

Published online 18 March 2008

Bidentate Coordination Effect on Polycondensation of Amino Acid Esters Between Metal Triflates and Methoxy Groups

T. NEMOTO, K. NAKA, AND Y. CHUJO 2864

Published online 18 March 2008

Living Ring-Opening Polymerization of ε-Caprolactone with Ti Alkoxides Derived from the Cp_2TiCl-Catalyzed SET Reduction of Aldehydes

A. D. ASANDEI, Y. CHEN, O. I. ADEBOLU, AND C. P. SIMPSON 2869

Published online 18 March 2008

NOTE

Synthesis of Highly Functionalized Oligo- and Copolyesters from a Carbohydrate Lactone

A. F. HAIDER AND C. K. WILLIAMS 2891

Published online 18 March 2008

Volume 46, 2008
Issue 9, May 1, 2008

RAPID COMMUNICATIONS

Fine Adjustment of Network in Polymer Network Liquid Crystal Film Employing RAFT Polymerization

J. HE, B. YAN, B. YU, S. WANG, X. WANG, J. WANG, Y. ZENG, R. RAN, AND Y. WANG 3140
Published online 24 March 2008

Hydrogen-Bond-Assisted Syndiotactic-Specific Radical Polymerization of *N,N*-Dimethylacrylamide in the Presence of Tartrates

T. HIRANO, S. MASUDA, AND T. SATO 3145
Published online 24 March 2008

PEDOT:Poly(1-vinyl-3-ethylimidazolium) Dispersions as Alternative Materials for Optoelectronic Devices

C. POZO-GONZALO, R. MARCILLA, M. SALSAMENDI, D. MECERREYES, J. A. POMPOSO, J. RODRÍGUEZ, AND H. J. BOLINK 3150
Published online 24 March 2008

ARTICLES

Facile Syntheses of 4-Vinyl-1,2,3-Triazole Monomers by Click Azide/Acetylene Coupling

K. TAKIZAWA, H. NULWALA, R. J. THIBAULT, P. LOWENHIELM, K. YOSHINAGA, K. L. WOOLEY, AND C. J. HAWKER 2897
Published online 27 March 2008

A "Click" Approach to ROMP Block Copolymers

S. HILF, N. HANIK, AND A. F. M. KILBINGER 2913
Published online 24 March 2008

2-[(Diphenylphosphino)methyl]pyridine as Ligand for Iron-Based Atom Transfer Radical Polymerization

Z. XUE, S. K. NOH, AND W. S. LYOO 2922
Published online 24 March 2008

A Practical Way of Grafting Maleic Anhydride onto Polypropylene Providing High Anhydride Contents Without Sacrificing Excessive Molar Mass

G. R. P. HENRY, X. DROOGHAAG, D. D. J. ROUSSEAUX, M. SCLAVONS, J. DEVAUX, J. MARCHAND-BRYNAERT, AND V. CARLIER 2936
Published online 26 March 2008

Synthesis and Applications of Water-Dispersible Microspheres Containing Arborescent PAMAM Surfaces

L. JIN, H. LIU, W. YANG, C. WANG, AND K. YU 2948
Published online 24 March 2008

Synthesis and Liquid Crystalline Properties of Poly(1-alkyne)s Carrying Triphenylene Discogens

C. XING, J. W. Y. LAM, K. ZHAO, AND B. Z. TANG 2960
Published online 24 March 2008

Preparation and Chemical Properties of Soluble π-Conjugated Poly(aryleneethynylene) Consisting of Azabenzothiadiazole as the Electron-Accepting Unit

H. FUKUMOTO AND T. YAMAMOTO 2975

Published online 24 March 2008

New PVK-Based Nonlinear Optical Polymers: Enhanced Nonlinearity and Improved Transparency

Z. LI, S. DONG, P. LI, Z. LI, C. YE, AND J. QIN 2983

Published online 24 March 2008

Phosphorus-Containing Telechelic Polyester-Based Ionomer: Facile Synthesis and Antidripping Effects

X.-G. GE, C. WANG, Z. HU, X. XIANG, J.-S. WANG, D.-Y. WANG, C.-P. LIU, AND Y.-Z. WANG 2994

Published online 24 March 2008

Near-Infrared Electroluminescence from Fluorene-Based Copolymers

M. SUN, X. JIANG, L. WANG, C. HE, B. DU, R. YANG, AND Y. CAO 3007

Published online 24 March 2008

Functionalization of Multiwalled Carbon Nanotube via Surface Reversible Addition Fragmentation Chain Transfer Polymerization and as Lubricant Additives

X. PEI, W. LIU, AND J. HAO 3014

Published online 26 March 2008

Green Polymer Chemistry: Telechelic Poly(ethylene glycol)s via Enzymatic Catalysis

J. E. PUSKAS, M. Y. SEN, AND J. R. KASPER 3024

Published online 24 March 2008

Synthesis and Characterization of Amphiphilic Fluorinated Pentablock Copolymers Based on Pluronic F127

J. HE, P. NI, AND C. LIU 3029

Published online 26 March 2008

Germanes as Efficient Coinitiators in Radical and Cationic Photopolymerizations

J. LALEVÉE, A. DIRANI, M. EL-ROZ, X. ALLONAS, AND J. P. FOUASSIER 3042

Published online 26 March 2008

Fabrication of Thermosensitive PCL-PNIPAAm-PCL Triblock Copolymeric Micelles for Drug Delivery

C. CHANG, H. WEI, C.-Y. QUAN, Y.-Y. LI, J. LIU, Z.-C. WANG, S.-X. CHENG, X.-Z. ZHANG, AND R.-X. ZHUO 3048

Published online 24 March 2008

Simultaneous Reversible Addition Fragmentation Chain Transfer and Ring-Opening Polymerization

M. L. HELLAYE, C. LEFAY, T. P. DAVIS, M. H. STENZEL, AND C. BARNER-KOWOLLIK 3058

Published online 27 March 2008

Synthesis of Poly(benzyl glutamate-*b*-styrene) Rod-Coil Block Copolymers by Dual Initiation in One Pot

R. J. I. KNOOP, G. J. M. HABRAKEN, N. GOGIBUS, S. STEIG, H. MENZEL, C. E. KONING, AND A. HEISE 3068

Published online 26 March 2008

Synthesis and Properties of Novel Y-Type Nonlinear Optical Polyimides with High Thermal Stability of Second Harmonic Generation

G.-Y. LEE, H.-N. JANG, AND J.-Y. LEE 3078

Published online 26 March 2008

Synthesis of a New Diglycidylic Meldrum Acid Derivative and Study of the Curing with Lanthanide Triflates as Initiators

L. GONZÁLEZ, J. SIMOKAITIENE, X. RAMIS, J. M. SALLA, A. MANTECÓN, AND A. SERRA 3088

Published online 27 March 2008

Surfactant-Free Synthesis of Amphiphilic Diblock Copolymer in Aqueous Phase by a Self-Stability Process

J. JI, L. YAN, AND D. XIE 3098

Published online 24 March 2008

Synthesis and Self-Assembly of Helical Polypeptide-Random Coil Amphiphilic Diblock Copolymer

S.-H. KUO, H.-F. LEE, C.-F. HUANG, C.-J. HUANG, AND F.-C. CHANG 3108

Published online 24 March 2008

New Ladder-Type Conjugated Polymer Containing Carbazole and Fluorene Units in Backbone: Synthesis, Optical, and Electrochemistry Properties

B. WANG, F. SHEN, P. LU, S. TANG, W. ZHANG, S. PAN, M. LIU, L. LIU, S. QIU, AND Y. MA 3120

Published online 27 March 2008

Alternating Copolymerization of Carbon Dioxide and Cyclohexene Oxide Catalyzed by Silicon Dioxide/Zn—Co^{III} Double Metal Cyanide Complex Hybrid Catalysts with a Nanolamellar Structure

X.-K. SUN, X.-H. ZHANG, F. LIU, S. CHEN, B.-Y. DU, Q. WANG, Z.-Q. FAN, AND G.-R. QI 3128

Published online 27 March 2008

Volume 46, 2008
Issue 10, May 15, 2008

HIGHLIGHT

Bimolecular Radical Termination: New Perspectives and Insights

G. JOHNSTON-HALL AND M. J. MONTEIRO 3155

Published online 10 April 2008

RAPID COMMUNICATIONS

Thermal Sensitive Fluorescent Hyperbranched Polymer Without Fluorophores

P. WANG, X. WANG, K. MENG, S. HONG, X. LIU, H. CHENG, AND C. C. HAN 3424

Published online 15 April 2008

Encapsulation of Silver Nanoparticles Within Micropores of Block Copolymers Constructed by Emulsion-Induced Method

K. ISHIZU, N. HATOYAMA, M. MAKINO, Y. TOKUNO, AND S. UCHIDA 3429

Published online 15 April 2008

Self-Directed Formation of Uniform Unsaturated Macromolecules from Acrylate Monomers at High Temperatures

T. JUNKERS, F. BENNET, S. P. S. KOO, AND C. BARNER-KOWOLLIK 3433

Published online 15 April 2008

Hairy Particle-Supported 4-*N*,*N*-Dialkylaminopyridine: An Efficient and Recyclable Nucleophilic Organocatalyst

B. ZHAO, X. JIANG, D. LI, X. JIANG, T. G. O'LENICK, B. LI, AND C. Y. LI 3438

Published online 15 April 2008

ORIGINAL ARTICLES

SET-LRP of Acrylates in the Presence of Radical Inhibitors

G. LLIGADAS AND V. PERCEC 3174

Published online 10 April 2008

New Poly(ester amide)s from Alkyl 2-(Carboethoxyhydroxy-methyl)acrylates

J.-F. MORIZUR AND L. J. MATHIAS 3182

Published online 10 April 2008

Polyplatinayne/Polyoxometalate Composite Langmuir-Blodgett Films: Preparation, Structural Characterization, and Potential Optoelectronic Applications

L. LIU, L.-X. QIAO, S.-Z. LIU, D.-M. CUI, C.-M. ZHANG, Z.-J. ZHOU, Z.-L. DU, AND W.-Y. WONG 3193

Published online 10 April 2008

Microwave-Assisted Ring-Opening Polymerization of *p*-Dioxanone

Y.-Y. CHEN, G. WU, Z.-C. QIU, X.-L. WANG, Y. ZHANG, F. LU, AND Y.-Z. WANG 3207

Published online 10 April 2008

Use of Fluorinated Maleimide and Telechelic Bismaleimide for Original Hydrophobic and Oleophobic Polymerized Networks

A. SOULES, C. P. VÁZQUEZ, B. AMÉDURI, C. JOLY-DUHAMEL, M. ESSAHLI, AND B. BOUTEVIN 3214

Published online 10 April 2008

Synthesis and Characterization of Carboxylic Acid-Terminated Polyisobutylenes

L. K. KEMP, A. B. DONNALLEY, AND R. F. STOREY 3229

Published online 11 April 2008

Renewable Resource-Based Poly(*m*-phenylenevinylene)s and Their Statistical Copolymers: Synthesis, Characterization, and Probing of Molecular Aggregation and Forster Energy Transfer Processes

A. CYRIAC, S. R. AMRUTHA, AND M. JAYAKANNAN 3241

Published online 11 April 2008

Interfacial Adsorption Characteristics of Ionic Polymeric Amphiphiles with Comb-Like Structures: Effect of Dodecyl and Poly(ethylene oxide) Side Chains

K. CHANDRASEKAR AND G. BASKAR 3257

Published online 11 April 2008

Well-Controlled 3D Skeletal Epoxy-Based Monoliths Obtained by Polymerization Induced Phase Separation

N. TSUJIOKA, N. ISHIZUKA, N. TANAKA, T. KUBO, AND K. HOSOYA 3272

Published online 11 April 2008

Synthesis of Star Poly(1,3-cyclohexadiene): Grafting Reaction of Poly(1,3-cyclohexadienyl)lithium onto C_{60}

I. NATORI AND S. NATORI 3282

Published online 11 April 2008

Controlled Polymerization of 2-(Diethylamino)ethyl Methacrylate and its Block Copolymer with *N*-Isopropylacrylamide by RAFT Polymerization

L. LIU, C. WU, J. ZHANG, M. ZHANG, Y. LIU, X. WANG, AND G. FU 3294

Published online 11 April 2008

Graft Copolymerization of 2-Methacryloyloxyethyl Phosphorylcholine to Cellulose in Homogeneous Media Using Atom Transfer Radical Polymerization for Providing New Hemocompatible Coating Materials

L. YAN AND K. ISHIHARA 3306

Published online 11 April 2008

Synthesis, Characterization, and Thermal Properties of Ring-Opening Metathesis Polynorbornenes and Their Hydrogenated Derivatives Bearing Various Ester and Cyano Groups

Y. NISHIHARA, S. IZAWA, Y. INOUE, Y. NAKAYAMA, T. SHIONO, AND K. TAKAGI 3314

Published online 11 April 2008

Functionalization of Carbon Nanofibers (CNFs) through Atom Transfer Radical Polymerization for the Preparation of Poly(*tert*-butyl acrylate)/CNF Materials: Spectroscopic, Thermal, Morphological, and Physical Characterizations

M. GHISLANDI, L. A. S. DE A. PRADO, A. DE LA VEGA OYERVIEDES, H. WITTICH, K. SCHULTE, AND A. BARROS-TIMMONS 3326

Published online 14 April 2008

Synthesis and Chiroptical Properties of Poly(*p*-phenylenevinylene-*alt*-*m*-phenylenevinylene) Bearing (−)- *trans*-Myrtanoxyl Groups on the *p*-Phenylene Rings

X. LI, C. LI, J. YAN, J. LU, AND H. LIANG 3336

Published online 14 April 2008

Frontal Polymerization of Diurethane Diacrylates

A. MARIANI, S. FIORI, S. BIDALI, V. ALZARI, AND G. MALUCELLI 3344

Published online 14 April 2008

Studies on the Thermal Polymerization of Substituted Benzoxazine Monomers: Electronic Effects

R. ANDREU, J. A. REINA, AND J. C. RONDA 3353

Published online 14 April 2008

Influence of Nitroxide Structure on Polystyrene Brushes "Grafted-from" Silicon Wafers

R.-V. OSTACI, C. CELLE, G. SEYTRE, E. BEYOU, J.-P. CHAPEL, AND E. DROCKENMULLER 3367

Published online 14 April 2008

A Versatile Preparation of Azobenzene-Dye Functionalized Colored Polymer Nanoparticles by Surface Modification

C. CANNIZZO, S. AMIGONI-GERBIER, M. FRIGOLI, AND C. LARPENT 3375

Published online 14 April 2008

A New Photoiniferter/RAFT Agent for Ambient Temperature Rapid and Well-Controlled Radical Polymerization

M. A. TASDELEN, Y. Y. DURMAZ, B. KARAGOZ, N. BICAK, AND Y. YAGCI 3387

Published online 14 April 2008

Half-Titanocene Complexes Bearing Dianionic 6-Benzimidazolylpyridyl-2-carboximidate Ligands: Synthesis, Characterization, and Their Ethylene Polymerization

W. ZUO, S. ZHANG, S. LIU, X. LIU, AND W.-H. SUN 3396

Published online 15 April 2008

Bis(2-(6-methylpyridin-2-yl)-benzimidazolyl)titanium dichloride and Titanium bis(6-benzimidazolylpyridine-2-carboxylimidate): Synthesis, Characterization, and Their Catalytic Behaviors for Ethylene Polymerization

S. LIU, W. ZUO, S. ZHANG, P. HAO, D. WANG, AND W.-H. SUN 3411

Published online 15 April 2008

NOTES

Anionic Copolymerization of Epoxide with Bifunctional Aromatic Lactone Derived from 2-Methylresorcinol

A. SUDO, K. UENISHI, AND T. ENDO 3447

Published online 15 April 2008

Enhanced Reactivity of Monovinyl Acrylates Characterized by Secondary Functionalities Toward Photopolymerization and Michael Addition: Contribution of Intramolecular Effects

H. KILAMBI, J. W. STANSBURY, AND C. N. BOWMAN 3452

Published online 15 April 2008

Volume 46, 2008
Issue 11, June 1, 2008

HIGHLIGHT

Polymerization of Oligo(Ethylene Glycol) (Meth)Acrylates: Toward New Generations of Smart Biocompatible Materials

J.-F. LUTZ 3459

Published online 24 April 2008

RAPID COMMUNICATIONS

Interactions of Ionic Liquids with Polysaccharides. IV. Dendronization of 6-Azido-6-Deoxy Cellulose

T. HEINZE, M. SCHÖBITZ, M. POHL, AND F. MEISTER 3853

Published online 28 April 2008

Ionomers for Proton Exchange Membrane Fuel Cells with Sulfonic Acid Groups on the End-Groups: Novel Branched Poly(ether-ketone)s with 3,6-Ditrityl-9*H*-Carbazole End-Groups

S. MATSUMURA, A. R. HLIL, N. DU, C. LEPILLER, J. GAUDET, D. GUAY, Z. SHI, S. HOLDCROFT, AND A. S. HAY 3860

Published online 28 April 2008

Polystyrene Star-Shaped Polymers Containing Core Built from Diepoxides

G. LAPIENIS AND B. WIKTORSKA 3869

Published online 28 April 2008

ORIGINAL ARTICLES

Nanocomposites Derived from *In Situ* Grafting of Linear and Hyperbranched Poly(ether-ketone)s Containing Flexible Oxyethylene Spacers onto the Surface of Multiwalled Carbon Nanotubes

I.-Y. JEON, L. S. TAN, AND J.-B. BAEK 3471

Published online 24 April 2008

Photomediated Crosslinking of Cinnamated PDMS for *In Situ* Direct Photopatterning

J. CHEN, A. R. VAINO, R. L. SMITH, AND S. C. COLLINS 3482

Published online 24 April 2008

A Polarity-Activation Strategy for the High Incorporation of 1-Alkenes into Functional Copolymers *via* RAFT Copolymerization

J. MA, C. CHENG, G. SUN, AND K. L. WOOLEY 3488

Published online 24 April 2008

Atom Transfer Radical Polymerization of Hexyl Acrylate and Preparation of its "All-acrylate" Block Copolymers

H. DATTA AND N. K. SINGHA 3499

Published online 24 April 2008

Thermally Curable Polyvinylchloride via Click Chemistry

B. KISKAN, G. DEMIRAY, AND Y. YAGCI 3512

Published online 24 April 2008

Effect of Coinitiator Type on Initiation Efficiency of Two-Component Photoinitiator Systems Based on Eosin

R. POPIELARZ AND O. VOGT 3519

Published online 25 April 2008

Hydrophilic Graft Modification of a Commercial Crystalline Polyolefin

J. SHIN, A. Y. CHANG, L. V. BROWNELL, I. O. RACOMA, C. H. OZAWA, H. CHUNG, S. PENG, AND C. BAE 3533

Published online 25 April 2008

Functionalization of Surface-Grafted Polymethylhydro-siloxane Thin Films with Alkyl Side Chains

T. THAMI, G. NASR, H. BESTAL, A. VAN DER LEE, AND B. BRESSON 3546

Published online 25 April 2008

Fabrication of Poly(aniline-*co*-pyrrole) Hollow Nanospheres with Triton X-100 Micelles as Templates

C. ZHOU, J. HAN, G. SONG, AND R. GUO 3563

Published online 25 April 2008

Alternating Fluorene Copolymers Containing Isothianaphthene Derivatives: A Study of Their Aggregation Properties and Small Band Gap

Y. K. JUNG, H. KIM, J.-H. PARK, J. LEE, S. K. LEE, Y. S. LEE, AND H. SHIM 3573

Published online 25 April 2008

Electro-Optical Behavior of Ferroelectric Liquid Crystalline Polyphenylene Derivatives

K. SUDA AND K. AKAGI 3591

Published online 25 April 2008

***Real-Time* FTIR Monitoring of the Mechanism of Initiation of Isobutylene Polymerizations by Epoxide/Lewis Acid Systems**

S. H. SOYTAS, J. E. PUSKAS, AND K. KULBABA 3611

Published online 25 April 2008

Impact of the Clay Organic Modifier on the Morphology of Polymer–Clay Nanocomposites Prepared by *In Situ* Free-Radical Polymerization in Emulsion

N. GREESH, P. C. HARTMANN, V. CLOETE, AND R. D. SANDERSON 3619

Published online 25 April 2008

Thermogelling Behaviors of Poly(caprolactone-*b*-ethylene glycol-*b*-caprolactone) Triblock Copolymer in the Presence of Hyaluronic Acid

I. Y. KIM, M. K. YOO, B. C. KIM, I. Y. PARK, H. C. LEE, AND C. S. CHO 3629

Published online 25 April 2008

Kinetics of Dispersion Polymerization: Effect of Medium Composition

S. JIANG, E. D. SUDOL, V. L. DIMONIE, AND M. S. EL-AASSER 3638

Published online 25 April 2008

ROMP Based Photoinitiator-Coinitiator Systems with Improved Migration Stability

M. SANDHOLZER, M. SCHUSTER, F. VARGA, R. LISKA, AND C. SLUGOVC 3648

Published online 25 April 2008

Carbohydrate-Based Amphiphilic Diblock Copolymers: Synthesis, Characterization, and Aqueous Properties

F. SURIANO, O. COULEMBIER, P. DEGÉE, AND P. DUBOIS 3662

Published online 25 April 2008

Thermally Latent Reaction of Hemiacetal Ester with Epoxide Catalyzed by Recyclable Polymeric Catalyst Consisting of Salen-Zinc Complex and Polyurethane Main Chain

H. KOMATSU, B. OCHIAI, AND T. ENDO 3673

Published online 25 April 2008

Thermally Latent Synthesis of Networked Polymers from Multifunctional Hemiacetal Ester and Diepoxide Catalyzed by Schiff-Base-Zinc Chloride Complex

H. KOMATSU, B. OCHIAI, AND T. ENDO 3682

Published online 25 April 2008

Synthesis of Chiral Micelles and Nanoparticles from Amino Acid Based Monomers Using RAFT Polymerization

J. SKEY AND R. K. O'REILLY 3690

Published online 25 April 2008

Polyfluorenes Minimally Doped with 1,4-Bis(2-thienyl-2-cyanovinyl)benzene Chromophore: Their Synthesis, Characterization, and Application to White-Light-Emitting Materials

B.-Y. HSIEH AND Y. CHEN 3703

Published online 25 April 2008

An Efficient Solid-State Polycondensation Method for Synthesizing Stereocomplexed Poly(Lactic Acid)s with High Molecular Weight

K. FUKUSHIMA AND Y. KIMURA 3714

Published online 25 April 2008

A New Donor-Acceptor Type Polymeric Material from a Thiophene Derivative and its Electrochromic Properties

Y. A. UDUM, E. YILDIZ, G. GUNBAS, AND L. TOPPARE 3723

Published online 25 April 2008

Syntheses of Multicyclic Poly(ether sulfone)s from 5,5′,6,6′-Tetrahydroxy-3,3,3′,3′-Tetramethyl Spirobisindane and 4,4′-bis(4-chlorophenyl) Sulfones

H. R. KRICHELDORF AND K. BORNHORST 3732

Published online 25 April 2008

RAFT Synthesis of Amphiphilic (A-*ran*-B)-*b*-C Diblock Copolymers with Tunable pH-Sensitivity

Y. Q. HU, M. S. KIM, B. S. KIM, AND D. S. LEE 3740

Published online 25 April 2008

Homogeneous Anionic PPE Hybrids with Silica Gel

K. KOKADO AND Y. CHUJO 3749

Published online 25 April 2008

Controlled Radical Polymerization of *N*-Vinylcaprolactam Mediated by Xanthate or Dithiocarbamate

D. WAN, Q. ZHOU, H. PU, AND G. YANG 3756

Published online 25 April 2008

Photopolymerization Kinetics of Tributylmethylammonium-Based (Meth)acrylate Ionic Liquids and the Effect of Water

H. ZHOU, Z. JIMÉNEZ, J. A. POJMAN, M. S. PALEY, AND C. E. HOYLE 3766

Published online 28 April 2008

Dansylated Acrylic Copolymer with Potential for Sensor Applications: Synthesis and Properties

E. C. BURUIANA, M. ZAMFIR, AND T. BURUIANA 3774

Published online 28 April 2008

Photopolymerization with Microscale Resolution: Influence of the Physico-Chemical and Photonic Parameters

O. SOPPERA, S. JRADI, AND D. J. LOUGNOT 3783

Published online 28 April 2008

Pressure-Induced Polymerization of Tetraethylene Glycol Dimethacrylate

K. KAMINSKI, M. PALUCH, R. WRZALIK, J. ZIOLO, R. BOGOSLOVOV, AND C. M. ROLAND 3795

Published online 28 April 2008

Synthesis and Characterization of a Series of Biodegradable and Biocompatible PEG-Supported Poly(lactic-ran-glycolic acid) Amphiphilic Barbell-Like Copolymers

D. D. LU, J. C. YUAN, H. LI, AND Z. LEI 3802

Published online 28 April 2008

Dispersion Copolymerization of 2-Ethylhexyl Methacrylate and Vinylbenzyl Chloride and Functional Group Conversions in a Fluorinated Solvent Using Microwave Heating

R. KARNATI AND W. T. FORD 3813

Published online 28 April 2008

Benzophenothiazine and Benzophenoxazine Photosensitizers for Triarylsulfonium Salt Cationic Photoinitiators

J. V. CRIVELLO 3820

Published online 28 April 2008

Synthesis of a New Zirconium Catalyst for Ethylene Polymerization

F. DE C. FIM, T. MACHADO, D. S. DE SÁ, P. R. LIVOTTO, Z. N. DA ROCHA, N. R. DE S. BASSO, AND G. B. GALLAND 3830

Published online 28 April 2008

Polyion Complex Micelles Formed From Glucose Oxidase and Comb-Type Polyelectrolyte with Poly(ethylene glycol) Grafts

A. KAWAMURA, C. KOJIMA, M. IIJIMA, A. HARADA, AND K. KONO 3842

Published online 28 April 2008

Volume 46, 2008
Issue 12, June 15, 2008

RAPID COMMUNICATIONS

Quantitative Syntheses of Novel Polyisobutylenes Fitted with Terminal Primary —Br, —OH, —NH_2, and Methacrylate Termini

S. UMMADISETTY AND J. P. KENNEDY 4236

Published online 15 May 2008

Chemoenzymatic Synthesis of Oleic Acid-Based Polyesters for Use as Highly Stable Biomaterials

S. MIAO, S. ZHANG, Z. SU, AND P. WANG 4243

Published online 15 May 2008

A New Blue-Light Emitting Polymer: Synthesis and Photoinduced Electron Transfer Process

Y. CHEN, Y. LIN, M. E. EI-KHOULY, N. HE, A. YAN, Y. LIU, L. CAI, AND O. ITO 4249

Published online 15 May 2008

ORIGINAL ARTICLES

Self-Assembly and Morphology of Polydimethylsiloxane Supramolecular Thermoplastic Elastomers

N. E. BOTTERHUIS, D. J. M. VAN BEEK, G. M. L. VAN GEMERT, A. W. BOSMAN, AND R. P. SIJBESMA 3877

Published online 8 May 2008

Two-Dimensional Fourier Transform Infrared Correlation Spectroscopy and Evolving Factor Analysis in the Study of Cationic Curing of DGEBA and γ-Valerolactone Mixtures

N. SPEGAZZINI, I. RUISÁNCHEZ, M. S. LARRECHI, A. SERRA, AND A. MANTECÓN 3886

Published online 8 May 2008

A Facile Route to Hollow Superparamagnetic Magnetite/Polystyrene Nanocomposite Microspheres Via Inverse Miniemulsion Polymerization

S. YANG, H. LIU, AND Z. ZHANG 3900

Published online 8 May 2008

Synthesis of Amphiphilic Graft Copolymer Brush and Its Use as Template Film for the Preparation of Silver Nanoparticles

K. J. LEE, J. T. PARK, J. H. GOH, AND J. H. KIM 3911

Published online 8 May 2008

A New Chemical Modification of Liquid Polybutadienes: Radical Addition of Aliphatic Aldehydes onto Pending Vinyl Groups

J. PODEŠVA, M. HRUBÝ, J. SPĚVÁČEK, M. HRDLIČKOVÁ, AND M. NETOPILLÁK 3919

Published online 8 May 2008

Synthesis and Kinetics of Graft Polymerization of Methyl Methacrylate from the RAFT Coordinated Surface of Nano-TiO_2

B. HOJJATI AND P. A. CHARPENTIER 3926

Published online 9 May 2008

Linear Pentablock Quintopolymers (l-SIDMV) with Five Incompatible Blocks: Polystyrene, Polyisoprene-1,4,Poly(dimethylsiloxane), Poly(*tert*-butyl methacrylate), and Poly(2-vinylpyridine)

P. FRAGOULI, H. IATROU, D. J. LOHSE, AND N. HADJICHRISTIDIS 3938

Published online 9 May 2008

Synthesis and Properties of Sulfonated Multiblock Copoly(ether sulfone)s by a Chain Extender

K. NAKABAYASHI, K. MATSUMOTO, AND M. UEDA 3947

Published online 9 May 2008

Hydrophilic, Cationic Large-Core Star Polymers and Polymer Networks: Synthesis and Physicochemical Characterization

D. KAFOURIS, M. GRADZIELSKI, AND C. S. PATRICKIOS 3958

Published online 9 May 2008

Synthesis and Properties of Polythiophene Derivatives Containing Triphenylamine Moiety and Their Photovoltaic Applications

Y. LI, L. XUE, H. XIA, B. XU, S. WEN, AND W. TIAN 3970

Published online 9 May 2008

End-Group Modification of Poly(2,6-dimethyl-1,4-phenylene ether) and *In Situ* Synthesis of Poly(2,6-dimethyl-1,4-phenylene ether)-*b*-Poly(ethylene terephthalate) Block Copolymer

S. JÉOL, F. FENOUILLOT, A. ROUSSEAU, C. MONNET, K. MASENELLI-VARLOT, AND J.-F. BRIOIS 3985

Published online 9 May 2008

Synthesis and Characterization of Oligo(Oxyethylene)/Carbosilane Copolymers for Thermoset Elastomers Via ADMET

P. P. MATLOKA, Z. KEAN, M. GREENFIELD, AND K. B. WAGENER 3992

Published online 9 May 2008

Cyclic Polypeptides by Thermal Polymerization of α-Amino Acid *N*-Carboxyanhydrides

H. R. KRICHELDORF, C. V. LOSSOW, N. LOMADZE, AND G. SCHWARZ 4012

Published online 12 May 2008

Stimuli-Responsive Cationic Terpolymers by RAFT Polymerization: Synthesis, Characterization, and Protein Interaction Studies

N. A. A. ROSSI, V. JADHAV, B. F. L. LAI, S. MAITI, ANDJ. N. KIZHAKKEDATHU 4021

Published online 12 May 2008

Synthesis of Porphyrin-Embedded Dendronized Polymers by Suzuki Polycondensation

Z. FEI, Y. HAN, AND Z. BO 4030

Published online 12 May 2008

Novel Two-Dimensional Donor–Acceptor Conjugated Polymers Containing Quinoxaline Units: Synthesis, Characterization, and Photovoltaic Properties

L. HUO, Z. TAN, X. WANG, Y. ZHOU, M. HAN, AND Y. LI 4038

Published online 12 May 2008

Ring-Opening Copolymerization of Ethylene Carbonate and ε-Caprolactone Catalyzed by Neodymium tris(2,6-di-*tert*-butyl-4-methylphenolate): Synthesis, Characterization, and Dynamic Mechanic Analysis

F. CHEN, W. ZHU, N. XU, AND Z. SHEN 4050

Published online 12 May 2008

Synthesis of Double Hydrophilic Graft Copolymer Containing Poly(ethylene glycol) and Poly(methacrylic acid) Side Chains via Successive ATRP

L. GU, Z. SHEN, C. FENG, Y. LI, G. LU, AND X. HUANG 4056

Published online 12 May 2008

Interactions of Ionic Liquids with Polysaccharides. VI. Pure Cellulose Nanoparticles from Trimethylsilyl Cellulose Synthesized in Ionic Liquids

S. KÖHLER, T. LIEBERT, AND T. HEINZE 4070

Published online 12 May 2008

***n*-Butanol Formation in Butyl Acrylate Containing Latexes: Mathematical Model**

M. GOIKOETXEA, M. J. BARANDIARAN, AND J. M. ASUA 4081

Published online 13 May 2008

Anionic Alternating Copolymerization of 3,4-Dihydrocoumarin and Glycidyl Ethers: A New Approach to Polyester Synthesis

K. UENISHI, A. SUDO, AND T. ENDO 4092

Published online 13 May 2008

Designing of Dipeptide-Based Oligoconjugates as Potential Carrier for Drug Delivery. Pyroglutamil-*S*-Glutamic Acid Bisoligo-3-Hydroxybutyrates

E. C. BURUIANA, M. KOWALCZUK, G. ADAMUS, AND Z. JEDLINSKI 4103

Published online 13 May 2008

A Novel Type of Optically Active Helical Polymers: Synthesis and Characterization of Poly(*N*-propargylureas)

J. DENG, X. LUO, W. ZHAO, AND W. YANG 4112

Published online 13 May 2008

Synthesis of a New Organogelator Based on Block Structures of Co-oligoamide-6

J. THUILLEZ, F. TOURAUD, AND E. FLEURY 4122

Published online 13 May 2008

Synthesis and Hydrolytic Stability of Poly(oxyethylene-H-Phosphonate)s

I. GITSOV AND F. E. JOHNSON 4130

Published online 13 May 2008

Novel Temperature- and pH-Responsive Graft Copolymers Composed of Poly(L-glutamic acid) and Poly(*N*-isopropylacrylamide)

C. HE, C. ZHAO, X. GUO, Z. GUO, X. CHEN, X. ZHUANG, S. LIU, AND X. JING 4140

Published online 13 May 2008

Electrochemical Polymerization of Imidazolum-Ionic Liquids Bearing a Pyrrole Moiety

W. ZHANG, Y. LI, C. LIN, Q. AN, C. TAO, Y. GAO, AND G. LI 4151

Published online 14 May 2008

Factors Affecting Product Distributions in Ethylene/Styrene Copolymerization by (Aryloxo) (cyclopenta-dienyl) titanium Complexes-MAO Catalyst Systems

K. NOMURA, H. ZHANG, AND D.-J. BYUN 4162

Published online 14 May 2008

Synthesis and Chiral Recognition Properties of Poly(*N*-propargylamide) Gels Derived From Ornithine and Lysine

R. LIU, F. SANDA, AND T. MASUDA 4175

Published online 14 May 2008

Synthesis and Properties of Helical Poly(phenylacetylene) Derivatives. Effect of Chirality Combination on the Helicity

R. LIU, F. SANDA, AND T. MASUDA 4183

Published online 14 May 2008

Cyclometalated 2-Phenylpyridine Complex $[Ru^{II}(o\text{-}C_6H_4\text{-}py)(MeCN)_4]PF_6$ as a Tunable Catalyst for Living Radical Polymerization

F. DIAZ CAMACHO, R. LE LAGADEC, A. D. RYABOV, AND L. ALEXANDROVA 4193

Published online 14 May 2008

Synthesis, Characterization, and Self-Assembly of Comb-Dendronized Amphiphilic Block Copolymers

Z. YI, X. LIU, Q. JIAO, E. CHEN, Y. CHEN, AND F. XI 4205

Published online 14 May 2008

Grafting of Hyperbranched Cyclotriphosphazene Polymer onto Silica Nanoparticle and Carbon Black Surfaces

G. WEI, N. SASAGE, Y. KUSANAGI, K. FUJIKI, T. YAMAUCHI, AND N. TSUBOKAWA 4218

Published online 14 May 2008

3-Phenylethynyl Phthalimide End-Capped Imide Oligomers and the Cured Polymers

Y. LIU, Z. WANG, H. YANG, L. GAO, G. LI, AND M. DING 4227

Published online 15 May 2008

NOTES

Novel Amphiphilic Conetworks by Synthesis and Crosslinking of Allyl-Telechelic Block Copolymers

R. KARUNAKARAN AND J. P. KENNEDY 4254

Published online 15 May 2008

Synthesis and Optical Properties of Blue Luminescent Poly(2,6-naphthalene)s

T. MORI AND M. KIJIMA 4258

Published online 15 May 2008

Volume 46, 2008
Issue 13, July 15, 2008

EDITORIAL ANNOUNCEMENT

DSM Performance Materials Award 2008 for Craig J. Hawker

B. MEIJER, V. PERCEC, M. SAWAMOTO, AND K. L. WOOLEY XXIV

Published online 23 May 2008

HIGHLIGHT

Some Effects of the Initiator on the Cationic Polymerization of Alkenes

P. H. PLESCH AND J. C. AUSTIN 4265

Published online 23 May 2008

ORIGINAL ARTICLES

Novel Narrow-Band-Gap Conjugated Copolymers Containing Phenothiazine-Arylcyanovinyl Units for Organic Photovoltaic Cell Applications

K.-C. LI, Y.-C. HSU, J.-T. LIN, C.-C. YANG, K.-H. WEI, AND H.-C. LIN 4285

Published online 23 May 2008

Synthesis of Random Polyampholyte Brushes by Atom Transfer Radical Polymerization

S. SANJUAN AND Y. TRAN 4305

Published online 23 May 2008

Synthesis and Characterization of Amphiphilic Block–Graft MPEG-*b*-(PαN_3CL-*g*-alkyne) Degradable Copolymers by Ring-Opening Polymerization and Click Chemistry

R.-S. LEE AND Y.-T. HUANG 4320

Published online 23 May 2008

Acid-Labile, Thermoresponsive (Meth)acrylamide Polymers with Pendant Cyclic Acetal Moieties

X.-N. HUANG, F.-S. DU, B. ZHANG, J.-Y. ZHAO, AND Z.-C. LI 4332

Published online 23 May 2008

A Humidity Blocker Approach to Overcoming the Humidity Interference with Cationic Photopolymerization

Z. CHEN, Y. ZHANG, B. J. CHISHOLM, AND D. C. WEBSTER 4344

Published online 23 May 2008

Lactide Polymerization Co-initiated by Carbohydrate Esters and Pyranoses

M. TANG, A. F. HAIDER, C. MINELLI, M. M. STEVENS, AND C. K. WILLIAMS 4352

Published online 23 May 2008

The Effect of the Core on the Thermotropic Behavior of Three-Arm Star Poly[11-(4′-cyanophenyl-4″-phenoxy)undecyl acrylate]s Synthesized by Atom Transfer Radical Polymerization

C. PUGH, A. M. KASKO, AND S. R. GRUNWALD 4363

Published online 23 May 2008

Free Radical Copolymerization of 2,2,2-Trifluoroethyl α-Fluoroacrylate and *tert*-Butyl α-Trifluoromethylacrylate: Thermal and Optical Properties of the Copolymers

J.-M. CRACOWSKI, V. MONTEMBAULT, I. HARDY, D. BOSC, B. AMÉDURI, AND L. FONTAINE 4383

Published online 23 May 2008

Synthesis and Solution Properties of Poly(vinyl ether)s with Long Alkyl Chain, Biphenyl, and Cholesteryl Pendants

K.-I. SENO, A. DATE, S. KANAOKA, AND S. AOSHIMA 4392

Published online 27 May 2008

Improved Properties of Polyfluorenevinylenes by Introduction of Carbazole Units

Y. JIN, M. LEE, S. H. KIM, S. SONG, Y. GOO, H. Y. WOO, K. LEE, AND H. SUH 4407

Published online 27 May 2008

Synthesis and Characterization of Amphiphilic Cationic Symmetrical ABCBA Pentablock Terpolymer Networks: Effect of Hydrophobic Content

A. I. TRIFTARIDOU, E. LOIZOU, AND C. S. PATRICKIOS 4420

Published online 27 May 2008

Fabrication and Characterization of Poly(butylene succinate)-Grafted Carbon Fiber/Poly(L-lactide) Nanocomposites

S. MOON AND M. IJI 4433

Published online 27 May 2008

Synthesis and Characterization of Side-Chain Liquid Crystalline ABC Triblock Copolymers with *p*-Methoxyazobenzene Moieties by Atom Transfer Radical Polymerization

X. HE, W. SUN, D. YAN, M. XIE, AND Y. ZHANG 4442

Published online 27 May 2008

Regio-Regular Structure High Molecular Weight Poly(propylene carbonate) by Rare Earth Ternary Catalyst and Lewis Base Cocatalyst

Y. TAO, X. WANG, X. CHEN, X. ZHAO, AND F. WANG 4451

Published online 27 May 2008

H-Shaped (ABCDE Type) Quintopolymer via Click Reaction [3 + 2] Strategy

E. GUNGOR, H. DURMAZ, G. HIZAL, AND U. TUNCA 4459

Published online 27 May 2008

Substituents Effect on the Properties of Sulfonated Polyimide Copolymers

K. MIYATAKE, T. YASUDA, AND M. WATANABE 4469

Published online 27 May 2008

Synthesis of Proton-Conducting Block Copolymer Membranes Composed of a Fluorinated Segment and a Sulfonic Acid Segment

K. MATSUMOTO, F. OZAKI, AND H. MATSUOKA 4479

Published online 27 May 2008

Kinetics of Self-Condensing Vinyl Hyperbranched Polymerization in Three-Dimensional Space

X. HE AND J. TANG 4486

Published online 27 May 2008

Living Cationic Polymerization of Dihydrofuran and its Derivatives

M. YONEZUMI, S. KANAOKA, AND S. AOSHIMA 4495

Published online 28 May 2008

Optimal Irradiation Wavelength in Iniferter-based Photocontrolled Radical Polymerization

Y. NEMOTO AND Y. NAKAYAMA 4505

Published online 28 May 2008

Synthesis and Properties of Fluorene or Carbazole-Based Alternating Copolymers Containing Si and Vinylene Units in the Main Chain

N. NAGA, N. TAGAYA, H. NODA, T. IMAI, AND H. TOMODA 4513

Published online 28 May 2008

Monodisperse Ultrafine Polystyrene Nanoparticles Prepared by a Semicontinuous Microemulsion Polymerization

X. KONG, Q. WU, W. HU, AND Z. WANG 4522

Published online 28 May 2008

Stilbene-Containing Polyactylenes: Molecular Design, Synthesis, and Relationship Between Molecular Structure and NLO Properties

X. SU, H. XU, Q. GUO, G. SHI, J. YANG, Y. SONG, AND X. LIU 4529

Published online 28 May 2008

Structural Comparison of Products from Peroxide-Initiated Grafting of Vinylsilane and Silane-Functionalized Nitroxyl to Hydrocarbon and Polyolefin Substrates

J. D. WEAVER, A. K. CHOWDHURY, D. M. MOWERY, M. ESSEGHIR, J. M. COGEN, AND B. I. CHAUDHARY 4542

Published online 28 May 2008

Tris[tri(2-thienyl)phosphine]palladium as the Catalyst Precursor for Thiophene-Based Suzuki-Miyaura Crosscoupling and Polycondensation

W. LI, Y. HAN, B. LI, C. LIU, AND Z. BO 4556

Published online 28 May 2008

Synthesis and Encapsulation Properties of Dendronized Polymer with Fréchet-Type Dendrons Peripherally Decorated by Carboxylic Acid Functionalization

Q. JIAO, Z. YI, Y. CHEN, AND F. XI 4564

Published online 28 May 2008

Hydrogen-Bond-Assisted Syndiotactic-Specific Radical Polymerizations of *N*-Alkylacrylamides: The Effect of the *N*-Substituents on the Stereospecificities and Unusual Large Hysteresis in the Phase-Transition Behavior of Aqueous Solution of Syndiotactic Poly(*N*-*n*-propylacrylamide)

T. HIRANO, K. NAKAMURA, T. KAMIKUBO, S. ISHII, K. TANI, T. MORI, AND T. SATO 4575

Published online 28 May 2008

Photophysical and Self-Assembly Behavior of Poly(amidoamine) Dendrons with Chromophore as Scaffold: The Effect of Dendritic Architecture

B.-B. WANG, W.-S. LI, X.-R. JIA, M. GAO, L. JIANG, AND Y. WEI 4584

Published online 28 May 2008

Controlled/Living Radical Polymerization of Vinylcyclicsilazane by RAFT Process and Their Block Copolymers

Q. D. NGHIEM, C. T. NGUYEN, AND D. KIM 4594

Published online 28 May 2008

Synthesis and Self-Assembly in Water of Coil-Rod-Coil Amphiphilic Block Copolymers with Central π-Conjugated Sequence

A. DE CUENDIAS, E. IBARBOURE, S. LECOMMANDOUX, E. CLOUTET, AND H. CRAMAIL 4602

Published online 28 May 2008

Fingerprinting the Degradation Product Patterns of Different Polyester-Ether Networks by Electrospray Ionization Mass Spectrometry

A. HÖGLUND, M. HAKKARAINEN, M. KOWALCZUK, G. ADAMUS, AND A.-C. ALBERTSSON 4617

Published online 28 May 2008

NOTES

Controlled Living Ring-Opening Metathesis Polymerization with a Ruthenium Indenylidene Initiator

D. BURTSCHER, C. LEXER, K. MEREITER, R. WINDE, R. KARCH, AND C. SLUGOVC 4630

Published online 28 May 2008

Volume 46, 2008
Issue 14, July 15, 2008

HIGHLIGHT

Nonclassical Forces: Seemingly Insignificant but a Powerful Tool to Control Macromolecular Structures

M. FUJIKI AND A. SAXENA 4637

Published online 9 June 2008

RAPID COMMUNICATION

Controlled Release and Interaction of Protein Using Self-Assembling Peptide RATEA16 Nanofiber Hydrogels

Y. ZHAO, T. TAN, H. YOKOI, M. TANAKA, AND T. KINOSHITA 4927

Published online 11 June 2008

ORIGINAL ARTICLES

Poly(Glycerin 1,3-Dimethacrylate)-Based Monolith with a Bicontinuous Structure Tailored as HPLC Column by Photoinitiated *In Situ* Radical Polymerization via Viscoelastic Phase Separation

H. AOKI, N. TANAKA, T. KUBO, AND K. HOSOYA 4651

Published online 9 June 2008

Synthesis and Properties of Triaryl Diamine-Based Hole-Transporting Monomer and Polymer

A. TOMKEVICIENE, J. SIMOKAITIENE, J. V. GRAZULEVICIUS, AND V. JANKAUSKAS 4674

Published online 9 June 2008

Structure and Activity Transition of Lysozyme on Interacting with and Releasing From Polyelectrolyte with Different Hydrophobicity

G. GAO AND P. YAO 4681

Published online 9 June 2008

Hydrogen Bond-Directed Self-Assembly of Peripherally Modified Cyclotriphosphazenes with a Homeotropic Liquid Crystalline Phase

J. XU, T. C. LING, AND C. HE 4691

Published online 9 June 2008

Preparation and Microstructural Analysis of Poly(lactic-*alt*-glycolic acid)
R. M. STAYSHICH AND T. Y. MEYER 4704
Published online 9 June 2008

Thermally Enhanced Photoinduced In-Plane Reorientation in Photo-Cross-Linkable Polymer Liquid Crystalline Films and its Application to Linear Polarizer
N. KAWATSUKI, R. TSUTSUMI, A. HIRAIWA, H. TAKATSUKA, AND T. SAKAI 4712
Published online 9 June 2008

Self-Assembly of Metallo-Supramolecular Block Copolymers in Thin Films
C.-A. FUSTIN, P. GUILLET, M. J. MISNER, T. P. RUSSELL, U. S. SCHUBERT, AND J.-F. GOHY 4719
Published online 9 June 2008

Copolymerization of Ethylene with Cyclopentene or 2-Butene with Half Titanocenes-Based Catalysts
M. NAPOLI, A. MARICONDA, I. IMMEDIATA, AND P. LONGO 4725
Published online 9 June 2008

Controlled Cationic Polymerization of Cyclopentadiene with $B(C_6F_5)_3$ as a Coinitiator in the Presence of Water
S. V. KOSTJUK, A. V. RADCHENKO, AND F. GANACHAUD 4734
Published online 9 June 2008

Copolymers of Methyl Methacrylate and Fluoroalkyl Methacrylates: Effects of Fluoroalkyl Groups on the Thermal and Optical Properties of the Copolymers
D. ZHOU, H. TENG, K. KOIKE, Y. KOIKE, AND Y. OKAMOTO 4748
Published online 10 June 2008

Preparation of Polysulfone-*g*-Poly(*N*-isopropylacrylamide) Graft Copolymers Through Atom Transfer Radical Polymerization and Formation of Temperature-Responsive Nanoparticles
Y.-L. LIU, G.-C. LIN, AND C.-S. WU 4756
Published online 10 June 2008

Grafting of Polyamide 6 by the Anionic Polymerization of ε-Caprolactam from an Isocyanate Bearing Polystyrene Backbone
C.-L. ZHANG, L.-F. FENG, S. HOPPE, AND G.-H. HU 4766
Published online 10 June 2008

Cationic Polymerizations of 2-Alkyloxazolines Catalyzed by Bismuth Salts
P. BUZIN, G. SCHWARZ, AND H. R. KRICHELDORF 4777
Published online 10 June 2008

Synthesis of Multiblock Hyperbranched-Linear Poly(ether sulfone) Copolymers
S. J. GRUNZINGER, T. HAYAKAWA, AND M.-A. KAKIMOTO 4785
Published online 10 June 2008

An Efficient Process for Synthesizing and Hydrolyzing a Phosphonated Methacrylate: Investigation of the Adhesive and Anticorrosive Properties
Z. EL ASRI, K. CHOUGRANI, C. NEGRELL-GUIRAO, G. DAVID, B. BOUTEVIN, AND C. LOUBAT 4794
Published online 10 June 2008

Initiator Effect on the Cationic Ring-Opening Copolymerization of 2-Ethyl-2-Oxazoline and 2-Phenyl-2-Oxazoline

M. W. M. FIJTEN, R. HOOGENBOOM, AND U. S. SCHUBERT 4804

Published online 10 June 2008

Functionalized Poly(phenylene-*alt*-bithiophenes): Synthesis, Chiroptical Properties, and Interaction with Chiral Amines

M. VANGHELUWE, T. VERBIEST, AND G. KOECKELBERGHS 4817

Published online 10 June 2008

ATRP Synthesis and Association Properties of Thermoresponsive Anionic Block Copolymers

G. MASCI, M. DIOCIAIUTI, AND V. CRESCENZI 4830

Published online 10 June 2008

Syntheses of Polyolefin-Based Stereoregular Diblock Copolymers for Self-Assembled Nanostructures

W.-F. LIN, T.-J. HSIAO, J.-C. TSAI, T.-M. CHUNG, AND R.-M. HO 4843

Published online 10 June 2008

Multi-Walled Carbon Nanotubes Encapsulated with Polyurethane and Its Nanocomposites

X. WANG, Z. DU, C. ZHANG, C. LI, X. YANG, AND H. LI 4857

Published online 11 June 2008

Synthesis and Characterization of Color-Stable Electroluminescent Polymers: Poly(dinaphtho [1,2-A:1′,2′-g]-*s*-indacene)s

X. GUO, B. YAO, G. JIANG, Y. CHENG, Z. XIE, L. WANG, X. JING, AND F. WANG 4866

Published online 11 June 2008

Synthesis of Star Polymer by Atom Transfer Radical Polymerization with Resorcinol-Core Multifunctional Initiator: The Construction of Nanocapsule via Hydrolysis and Olefin Metathesis Reaction of the Obtained Star Polymer

A. NAGAI, T. HIRABAYASHI, H. KUDO, AND T. NISHIKUBO 4879

Published online 11 June 2008

Synthesis and Aggregation Behavior of Chitooligosaccharide-Based Biodegradable Graft Copolymers

K.-J. GAO, G. LI, H. SHI, X. LU, Y. GAO, AND B.-Q. XU 4889

Published online 11 June 2008

Self-Initiation of the UV Photopolymerization of Brominated Acrylates

T. SCHERZER, W. KNOLLE, S. NAUMOV, C. ELSNER, AND M. R. BUCHMEISER 4905

Published online 11 June 2008

Alkyl Chloride Initiators for SET-LRP of Methyl Acrylate

G. LLIGADAS AND V. PERCEC 4917

Published online 11 June 2008

Volume 46, 2008
Issue 15, August 1, 2008

HIGHLIGHT

From the Discovery of Sodiumoxyorgano-alkoxysilanes to the Organosilicon Dendrimers and Back

A. M. MUZAFAROV AND E. A. REBROV 4935

Published online 17 June 2008

RAPID COMMUNICATIONS

Efficient Oxidative Coupling Polymerization for Synthesis of Thermosetting Poly(phenylene ether) Copolymer with a Low Dielectric Loss

J. NUNOSHIGE, H. AKAHOSHI, Y. SHIBASAKI, AND M. UEDA 5278

Published online 18 June 2008

Novel Main-Chain Polyrotaxanes Synthesized via ATRP of HPMA in Aqueous Media

X. ZHANG, X. ZHU, X. TONG, L. YE, A.-Y. ZHANG, AND Z.-G. FENG 5283

Published online 18 June 2008

ORIGINAL ARTICLES

Negative-Type Photosensitive Poly(phenylene ether) Based on Poly(2,6-dimethyl-1,4-phenylene ether), a Crosslinker, and a Photoacid Generator

K. MIZOGUCHI AND M. UEDA 4949

Published online 17 June 2008

Effect of Prepolymer Molecular Weight on Solid State Polymerization of Poly(bisphenol A Carbonate) with Nitrogen as a Sweep Fluid

J. KIM, G. W. ROBERTS, AND D. J. KISEROW 4959

Published online 17 June 2008

Fluorinated Benzoxazines and the Structure-Property Relationship of Resulting Polybenzoxazines

C. H. LIN, S. L. CHANG, H. H. LEE, H. C. CHANG, K. Y. HWANG, A. P. TU, AND W. C. SU 4970

Published online 17 June 2008

Facile Synthesis of Controlled-Structure Primary Amine-Based Methacrylamide Polymers via the Reversible Addition-Fragmentation Chain Transfer Process

Z. DENG, H. BOUCHÉKIF, K. BABOORAM, A. HOUSNI, N. CHOYTUN, AND R. NARAIN 4984

Published online 17 June 2008

Synthesis of Adaptative and Amphiphilic Polymer Model Conetworks by Versatile Combination of ATRP, ROP, and "Click Chemistry"

L. MESPOUILLE, O. COULEMBIER, D. PANEVA, P. DEGÉE, I. RASHKOV, AND P. DUBOIS 4997

Published online 17 June 2008

Tailor-Made Hybrid Nanostructure of Poly(ethyl acrylate)/Clay by Surface-Initiated Atom Transfer Radical Polymerization

H. DATTA, A. K. BHOWMICK, AND N. K. SINGHA 5014

Published online 17 June 2008

Self-Assembly of Thermo- and pH-Responsive Poly(acrylic acid)-*b*-poly(*N*-isopropylacrylamide) Micelles for Drug Delivery

G. LI, S. SONG, L. GUO, AND S. MA 5028

Published online 17 June 2008

β-Cyclodextrin Polymer Brushes Based on Hyperbranched Polycarbosilane: Synthesis and Characterization

W. TIAN, X.-D. FAN, Y.-Y. LIU, M. JIANG, Y. HUANG, AND J. KONG 5036

Published online 17 June 2008

Ways of Selective Polycondensation of L-Lysine Towards Linear α- and ε-Poly-L-Lysine

C. H. HO, E. ODERMATT, I. BERNDT, AND J. C. TILLER 5053

Published online 17 June 2008

Dendronized Tricyanopyrroline-Based Chromophores in Nonlinear Optical Active Host Polymer

M. H. HOANG, M. H. KIM, M. J. CHO, K. H. KIM, K. N. KIM, J.-I. JIN, AND D. H. CHOI 5064

Published online 17 June 2008

One-Pot Synthesis and Characterization of Hyperbranched Poly(ester-amide)s from Commercially Available Dicarboxylic Acids and Multihydroxyl Secondary Amines

Y. LIN, Z. DONG, AND Y. LI 5077

Published online 17 June 2008

End Group Transformations of RAFT-Generated Polymers with Bismaleimides: Functional Telechelics and Modular Block Copolymers

M. LI, P. DE, S. R. GONDI, AND B. S. SUMERLIN 5093

Published online 17 June 2008

Side Chain Liquid Crystal Poly(fumarate)s Bearing Tolane-Based Mesogens

H. NOGUCHI, T. MICHINOBU, N. FUJII, M. FUNAHASHI, M. TOKITA, J. WATANABE, AND K. SHIGEHARA 5101

Published online 17 June 2008

Synthesis and Characterization of a Novel Polymer Based on Anthracene Moiety for Organic Thin Film Transistor

Y. LI, T.-H. KIM, Q. ZHAO, E.-K. KIM, S.-H. HAN, Y.-H. KIM, J. JANG, AND S.-K. KWON 5115

Published online 17 June 2008

Synthesis and Magnetic Properties of Comb-Like Copolymeric Complexes Based on Thiazole Ring and Ionic Liquid

J. YANG, W. SUN, W. LIN, AND Z. SHEN 5123

Published online 18 June 2008

Polymerization of Norbornene with a Pendent Sulfonyl Fluoride Group Catalyzed by Palladium Complex Bearing $^{t}Bu_3P$ Ligand

I. TAKAMIYA, M. YAMASHITA, E. MUROTANI, Y. MORIZAWA, AND K. NOZAKI 5133

Published online 18 June 2008

On the Anionic Homo- and Copolymerization of Ethyl- and Butyl-2-Cyanoacrylates

Z. DENCHEV, M. TOMANOVA, AND A. LEDERER 5142

Published online 18 June 2008

Polymerization and Nanocomposites Properties of Multifunctional Methylmethacrylate POSS

Y.-L. LIU, M.-C. TSENG, AND M.-H. FANGCHIANG 5157
Published online 18 June 2008

Polyesters Analogous To PET and PBT Based on *O*-Benzyl Ethers of Xylitol and L-Arabinitol

F. ZAMORA, K. HAKKOU, A. ALLA, R. MARÍN-BERNABÉ, M. V. DE PAZ, A. M. DE ILARDUYA, S. MUÑOZ-GUERRA, AND J. A. GALBIS 5167
Published online 18 June 2008

Host Copolymers Containing Pendant Carbazole and Oxadiazole Groups: Synthesis, Characterization and Optoelectronic Applications for Efficient Green Phosphorescent OLEDs

K.-M. YEH, C.-C. LEE, AND Y. CHEN 5180
Published online 18 June 2008

Cationic Photopolymerization of Liquid Fullerene Derivative Under Visible Light

K. LINTINEN, A. EFIMOV, S. HIETALA, S. NAGAO, P. JALKANEN, N. TKACHENKO, AND H. LEMMETYINEN 5194
Published online 18 June 2008

"Push-Pull" Supramolecular Chromophores Supported on Cyclopolymers

C. COLUCCINI, P. METRANGOLO, M. PARACHINI, D. PASINI, G. RESNATI, AND P. RIGHETTI 5202
Published online 18 June 2008

Ring-Opening Polymerization of 1,4-Dioxan-2-One Initiated by Lanthanum Isopropoxide in Bulk

X.-L. ZHU, G. WU, Z.-C. QIU, Y. ZHOU, J. GONG, K.-K. YANG, AND Y.-Z. WANG 5214
Published online 18 June 2008

Synthesis of Soluble Poly(*para*-phenylene) with a Long Polymer Chain: Characteristics of Regioregular Poly(1,4-phenylene)

I. NATORI, S. NATORI, H. SEKIKAWA, AND H. SATO 5223
Published online 18 June 2008

Facile Electrosyntheses of High Tensile Strength Alkyl-Bridged Dicarbazole Polymer Films and Its Fluorescence Spectra

Z. WEI, Q. WANG, J. XU, Y. NIE, Y. DU, AND H. XIA 5232
Published online 18 June 2008

A Solution-Processible Poly(*p*-phenylene vinylene) without Alkyl Substitution: Introducing the *cis*-vinylene Segments in Polymer Chain for Improved Solubility, Blue Emission, and High Efficiency

F. WANG, F. HE, Z. XIE, M. LI, M. HANIF, X. GU, B. YANG, H. ZHANG, P. LU, AND Y. MA 5242
Published online 18 June 2008

Isoprene Polymerization with Indolide-Imine Supported Rare-Earth Metal Alkyl and Amidinate Complexes

Y. YANG, Q. WANG, AND D. CUI 5251
Published online 18 June 2008

"Click" Chemistry for *In Situ* Formation of Thermoresponsive P(NIPAAm-*co*-HEMA)-Based Hydrogels

X.-D. XU, C.-S. CHEN, Z.-C. WANG, G.-R. WANG, S.-X. CHENG, X.-Z. ZHANG, AND R.-X. ZHUO 5263

Published online 18 June 2008

Volume 46, 2008
Issue 16, August 15, 2008

HIGHLIGHT

Hybrid Linear Dendritic Macromolecules: From Synthesis to Applications

I. GITSOV 5295

Published online 10 July 2008

RAPID COMMUNICATIONS

Synthesis of Heterotactic and Syndiotactic Polyacrylamides via Stereospecific Radical Polymerization of *N-tert*-Butoxycarbonylacrylamide in the Presence of Fluorinated Alcohols

T. HIRANO, T. MIYAZAKI, AND K. UTE 5698

Published online 11 July 2008

Ultrasound-Assisted Bulk Synthesis of CdS-PVK Nanocomposites via RAFT Polymerization

M. FENG, Y. CHEN, N. HE, L. GU, L. GAO, Z. HU, Y. LIN, X. ZHUANG, AND H. ZHAN 5702

Published online 11 July 2008

ARTICLES

Kinetics of Ethylene Polymerization Reactions with Chromium Oxide Catalysts

Y. V. KISSIN, A. J. BRANDOLINI, AND J. L. GARLICK 5315

Published online 10 July 2008

Chemistry of Olefin Polymerization Reactions with Chromium-Based Catalysts

Y. V. KISSIN AND A. J. BRANDOLINI 5330

Published online 10 July 2008

A Novel and Versatile Potassium-Based Catalyst for the Ring Opening Polymerization of Cyclic Esters

Y. LEMMOUCHI, M. C. PERRY, A. J. AMASS, K. CHAKRABORTY, AND E. SCHACHT 5348

Published online 10 July 2008

Novel Synthesis of Biodegradable Linear and Star Block Copolymers Based on ε-Caprolactone and Lactides Using Potassium-Based Catalyst

Y. LEMMOUCHI, M. C. PERRY, A. J. AMASS, K. CHAKRABORTY, AND E. SCHACHT 5363

Published online 10 July 2008

Syntheses and Alignment Behavior of Liquid Crystalline Polymethacrylates Having 2- and 4-Styrylpyridine Moieties

G. KWAK, M.-W. KIM, D.-H. PARK, J.-Y. KONG, S.-H. HYUN, AND W.-S. KIM 5371
Published online 10 July 2008

Synthesis and Aggregation of Poly(valine)-Poly(ethylene glycol) Block Copolymers

S. L. GOH, A. P. PLATT, K. E. RUTLEDGE, AND I. LEE 5381
Published online 10 July 2008

***In Situ* Polymerization of Ethylene Using Metallocene Catalysts: Effect of Clay Pretreatment on the Properties of Highly Filled Polyethylene Nanocomposites**

G. LEONE, F. BERTINI, M. CANETTI, L. BOGGIONI, P. STAGNARO, AND I. TRITTO 5390
Published online 10 July 2008

Synthesis and Characterization of a Novel Mid-Chain Macrophotoinitiator of Polyacrylonitrile By Ce(IV)/HNO_3 Redox System

M. DEGIRMENCI, E. TASKESEN, S. HICRI, AND H. YILMAZ 5404
Published online 10 July 2008

Hydroxyl-Terminated Hyperbranched Aromatic Poly(ether-ester)s: Synthesis, Characterization, End-Group Modification, and Optical Properties

T. SHANMUGAM, C. SIVAKUMAR, AND A. S. NASAR 5414
Published online 10 July 2008

Palladium-Catalyzed Phosphonation of SEBS Block Copolymer

S. SUBIANTO, N. R. CHOUDHURY, AND N. K. DUTTA 5431
Published online 10 July 2008

Synthesis and Characterization of Well-Defined Block and Statistical Copolymers Based on Lauryl Methacrylate and 2-(Acetoacetoxy)ethyl methacrylate Using RAFT-Controlled Radical Polymerization

M. DEMETRIOU AND T. KRASIA-CHRISTOFOROU 5442
Published online 10 July 2008

Synthesis and Characterization of Bipolar Copolymers Containing Oxadiazole and Carbazole Pendant Groups and Their Application to Electroluminescent Devices

P. WANG, C. CHAI, Q. YANG, F. WANG, Z. SHEN, H. GUO, X. CHEN, X. FAN, D. ZOU, AND Q. ZHOU 5452
Published online 10 July 2008

Detitanation of $MgCl_2$-Supported Ziegler-Natta Catalysts for the Study of Active Sites Organization

D. RIBOUR, V. MONTEIL, AND R. SPITZ 5461
Published online 10 July 2008

Preparation of Novel Acrylamide-Based Thermoresponsive Polymer Analogues and Their Application as Thermoresponsive Chromatographic Matrices

Y. AKIYAMA, Y. SHINOHARA, Y. HASEGAWA, A. KIKUCHI, AND T. OKANO 5471
Published online 10 July 2008

Highly Fluorescent Mono-Substituted Poly(arylacetylene)s Containing Tolane Chromophores

C.-C. HAN AND A. BALASUBRAMANIAN 5483

Published online 10 July 2008

Effect of Lewis and Brønsted Acids on the Homopolymerization of Acrylates and Their Copolymerization with 1-Alkenes

R. LUO, Y. CHEN, AND A. SEN 5499

Published online 10 July 2008

Kinetic Study of Copper(I)-Catalyzed Click Chemistry Step-Growth Polymerization

S. BINAULD, F. BOISSON, T. HAMAIDE, J.-P. PASCAULT, E. DROCKENMULLER, AND E. FLEURY 5506

Published online 11 July 2008

Synthesis and Solution Properties of Well-Defined Comb-On-Comb Graft Polymers

W. SUN, F. YU, J. HE, C. ZHANG, AND Y. YANG 5518

Published online 11 July 2008

Side-Chain Supramolecular Polymers with Induced Supramolecular Chirality Through H-Bonding Interactions

F. VERA, C. ALMUZARA, I. ORERA, J. BARBERÁ, L. ORIOL, J. L. SERRANO, AND T. SIERRA 5528

Published online 11 July 2008

Polymerization of Methyl Acrylate and as Comonomer with Ethylene Using a Bis(imino)pyridine Iron(II) Chloride/Methylaluminoxane Catalyst

M. J. FULLANA, M. J. MIRI, S. S. VADHAVKAR, N. KOLHATKAR, AND A. C. DELIS 5542

Published online 11 July 2008

Chemically Stable Hybrid Polymer Electrolyte Membranes Prepared by Radiation Grafting, Sulfonation, and Silane-Crosslinking Techniques

J. CHEN, M. ASANO, Y. MAEKAWA, AND M. YOSHIDA 5559

Published online 11 July 2008

New Aliphatic Hyperbranched Polyester Polyols Based on 1,3,5-Tris(2-hydroxyethyl) Cyanuric Acid as a Core

N. E. IKLADIOUS, S. H. MANSOUR, N. N. ROZIK, K. DIRNBERGER, AND C. D. EISENBACH 5568

Published online 11 July 2008

Synthesis and Characterization of Asymmetric Centipede-Like Copolymers with Two Side Chains at Each Repeating Unit via ATRP and Ring-Opening Polymerization

G.-Y. SHI, P. ZOU, AND C.-Y. PAN 5580

Published online 11 July 2008

Carbazolevinylene-Based Polymers and Model Compounds with Oxadiazole and Triphenylamine Segments: Synthesis, Photophysics, and Electroluminescence

P. D. VELLIS, J. A. MIKROYANNIDIS, M. J. CHO, AND D. H. CHOI 5592

Published online 11 July 2008

Synthesis and Self-Assembly of Poly(styrene)-*b*-Poly(*N*-vinylpyrrolidone) Amphiphilic Diblock Copolymers Made via a Combined ATRP and MADIX Approach

H. HUSSAIN, B. H. TAN, C. S. GUDIPATI, Y. LIU, C. B. HE, AND T. P. DAVIS 5604

Published online 11 July 2008

An X-Shaped π-Conjugated Polymer Comprising of Fluorene Units and Anthracene Units with High Efficiency. Synthesis and Optical and Electrochemical Properties

J. SUN, J.-G. CHENG, W.-Q. ZHU, S.-J. REN, H.-L. ZHONG, D.-L. ZENG, J.-P. DU, E.-J. XU, Y.-C. LIU, AND Q. FANG 5616

Published online 11 July 2008

A Novel Azo-Containing Dithiocarbamate Used for Living Radical Polymerization of Methyl Acrylate and Styrene

X. XUE, W. ZHANG, Z. CHENG, J. ZHU, AND X. ZHU 5626

Published online 11 July 2008

Synthesis and Characterization of PNIPAM-*b*-(PEA-*g*-PDEA) Double Hydrophilic Graft Copolymer

C. FENG, Z. SHEN, L. GU, S. ZHANG, L. LI, G. LU, AND X. HUANG 5638

Published online 11 July 2008

Synthesis of Azobenzene-Containing Polymers via RAFT Polymerization and Investigation on Intense Fluorescence from Aggregates of Azobenzene-Containing Amphiphilic Diblock Copolymers

J. XU, W. ZHANG, N. ZHOU, J. ZHU, Z. CHENG, Y. XU, AND X. ZHU 5652

Published online 11 July 2008

Implications of Monomer and Initiator Structure on the Dissociative Electron-Transfer Step of SET-LRP

B. M. ROSEN AND V. PERCEC 5663

Published online 11 July 2008

NOTE

Nanocomposite Foams Obtained by Polymerization of High Internal Phase Emulsions

A. MENNER, M. SALGUEIRO, M. S. P. SHAFFER, AND A. BISMARCK 5708

Published online 11 July 2008

Volume 46, 2008
Issue 17, September 1, 2008

EDITORIAL ANNOUNCEMENT

The 2007 SPSJ International Award of The Society of Polymer Science, Japan for Virgil Percec

C. J. HAWKER, E. W. "BERT" MEIJER, M. SAWAMOTO, AND K. L. WOOLEY XXI

HIGHLIGHT

The Future of Reversible Addition Fragmentation Chain Transfer Polymerization

C. BARNER-KOWOLLIK AND S. PERRIER 5715

Published online 25 July 2008

ORIGINAL ARTICLES

Synthesis and LCST-Type Phase Separation Behavior in Organic Solvents of Poly(vinyl ethers) with Pendant Imidazolium or Pyridinium Salts

K.-I. SENO, S. KANAOKA, AND S. AOSHIMA 5724

Published online 25 July 2008

Thermosensitive and Control Release Behavior of Poly(*N*-isopropylacrylamide-*co*-acrylic acid) Latex Particles

C.-F. LEE, C.-C. LIN, AND W.-Y. CHIU 5734

Published online 25 July 2008

Large-Scale Synthesis of Arborescent Polystyrenes

A. MUNAM AND M. GAUTHIER 5742

Published online 25 July 2008

A Phosphorus-Containing Thermotropic Liquid Crystalline Copolyester with Low Mesophase Temperature and High Flame Retardance

C.-S. ZHAO, L. CHEN, AND Y.-Z. WANG 5752

Published online 25 July 2008

Photoreactive Main Chain Liquid Crystalline Polyesters Containing Oxadiazole and Bis(benzylidene) Cycloalkanone Units

R. BALAMURUGAN AND P. KANNAN 5760

Published online 25 July 2008

Synthesis and Characterization of Novel Polybenzimidazoles bearing Pendant Phenoxyamine Groups

M. KULKARNI, R. POTREKAR, R. A. KULKARNI, AND S. P. VERNEKAR 5776

Published online 28 July 2008

Chemical Modification and Characterization of Gigaporous Polystyrene Microspheres as Rapid Separation of Proteins Base Supports

J.-B. QU, W.-Q. ZHOU, W. WEI, Z.-G. SU, AND G.-H. MA 5794

Published online 28 July 2008

A Strategy for Synthesis of Ion-Bonded Amphiphilic Miktoarm Star Copolymers Via Supramolecular Macro-RAFT Agent

D. LU, Y. WANG, T. WU, K. TAO, L. AN, AND R. BAI 5805

Published online 28 July 2008

Synthesis and Properties of Polyethylene with Side-Chain Triphenylamines as Hole-Transporting Materials

M. H. PARK, J. O. HUH, Y. DO, AND M. H. LEE 5816

Published online 28 July 2008

Photopatternable Substrate-Independent Poly(glycidyl methacrylate-*ran*-2-(acryloyloxy) ethyl 2-methylacrylate) Polymer Films for Immobilization of Biomolecules

S. P. CULLEN, S. HA, M. G. LAGALLY, AND P. GOPALAN 5826

Published online 28 July 2008

Effect of Catalyst Partitioning in Co(II) Mediated Catalytic Chain Transfer Miniemulsion Polymerization of Methyl Methacrylate

N. M. B. SMEETS, J. P. A. HEUTS, J. MEULDIJK, AND A. M. VAN HERK 5839

Published online 28 July 2008

Improvement of Thermal Stability of Sulfonated Polyphosphazenes by Introducing a Self-Crosslinkable Group

H. SONG, S. C. LEE, H. Y. HEO, D. I. KIM, D.-H. LEE, J. H. LEE, AND J. Y. CHANG 5850

Published online 28 July 2008

Amphiphilic Gradient Copolymers Containing Fluorinated 2-Phenyl-2-Oxazolines: Microwave-Assisted One-Pot Synthesis and Self-Assembly in Water

M. LOBERT, R. HOOGENBOOM, C.-A. FUSTIN, J.-F. GOHY, AND U. S. SCHUBERT 5859

Published online 28 July 2008

Synthesis, pH- and Temperature-Induced Micellization and Gelation of Doubly Hydrophilic Triblock Copolymer of Poly(*N*,*N*-dimethylamino-2-ethylmethacrylate)-*b*-Poly(ethylene glycol)-*b*-Poly(*N*,*N*-dimethylamino-2-ethylmethacrylate) in Aqueous Solutions

Z. PENG, G. LI, X. LIU, AND Z. TONG 5869

Published online 28 July 2008

Methacrylic Acid and Methyl Methacrylate Oligomers Adsorbed to Porous Isotactic Poly(methyl methacrylate) Ultrathin Films and Mechanistic Studies of Living Template Polymerization

H. AJIRO, D. KAMEI, AND M. AKASHI 5879

Published online 28 July 2008

Synthesis, Morphology, and Properties of Hydroxyl Terminated-POSS/Polyimide Low-*k* Nanocomposite Films

M. A. WAHAB, K. Y. MYA, AND C. HE 5887

Published online 28 July 2008

Polyurethane–Oligo(phenylenevinylene) Random Copolymers: π-Conjugated Pores, Vesicles, and Nanospheres via Solvent-Induced Self-Organization

P. DEEPA AND M. JAYAKANNAN 5897

Published online 29 July 2008

Dendrimer-like Miktoarm Star Terpolymers: A_3-$(B\text{-}C)_3$ via Click Reaction Strategy

O. ALTINTAS, A. L. DEMIREL, G. HIZAL, AND U. TUNCA 5916

Published online 29 July 2008

Emulsion and Controlled Miniemulsion Polymerization of the Renewable Monomer γ-Methyl-α-Methylene-γ-Butyrolactone

G. QI, M. NOLAN, F. J. SCHORK, AND C. W. JONES 5929

Published online 29 July 2008

Synthesis, Characterization, and Optoelectronic Properties of Hyperbranched Polyfluorenes Containing Pendant Benzylether Dendrons

L.-R. TSAI, C.-W. LI, AND Y. CHEN 5945

Published online 29 July 2008

Fixation of Carbon dioxide into Aliphatic Polycarbonate, Cobalt Porphyrin Catalyzed Regio-Specific Poly(propylene carbonate) with High Molecular Weight

Y. QIN, X. WANG, S. ZHANG, X. ZHAO, AND F. WANG 5959

Published online 29 July 2008

Fabrication of Monodisperse Luminescent Nanoparticles with Core/Shell Poly(styrene/thiophene) Structure

Y. J. JUNG, S. J. LEE, S. W. CHOI, AND J. H. KIM 5968

Published online 29 July 2008

Volume 46, 2008
Issue 18, September 15, 2008

RAPID COMMUNICATION

Iron(III) Chloride/R-Cl/Tributylphosphine for Metal-Catalyzed Living Radical Polymerization: A Unique System with a Higher Oxidation State Iron Complex

K. SATOH, H. AOSHIMA, AND M. KAMIGAITO 6358

Published online 13 August 2008

ORIGINAL ARTICLES

Molecularly Defined (L)-Lactic Acid Oligomers and Polymers: Synthesis and Characterization

K. TAKIZAWA, H. NULWALA, J. HU, K. YOSHINAGA, AND C. J. HAWKER 5977

Published online 11 August 2008

Synthesis and Characterization of Sulfonated Block Copolymers by Atom Transfer Radical Polymerization

K.-Y. BAEK 5991

Published online 11 August 2008

Synthesis, Characterization, and Properties of Copolymer of Acrylamide and Complex Pseudorotaxane Monomer Consisting of Cucurbit[6]uril with Butyl Ammonium Methacrylate

X. HUANG, Y. TAN, Y. WANG, H. YANG, J. CAO, AND Y. CHE 5999

Published online 11 August 2008

Manganese(III) Acetate-Catalyzed Synthesis of Polyguaiacol

S. HWANG, Y.-W. LEE, C.-H. LEE, AND I.-S. AHN 6009

Published online 11 August 2008

9-Bromoanthracene Photodimers as Initiators in Controlled Radical Polymerization: Silane Radical Atom Abstraction Coupled with Nitroxide Mediated Polymerization

S. THAKUR, J. R. SMITH, E. S. TILLMAN, N. A. COHEN, AND N. D. CONTRELLA 6016

Published online 11 August 2008

Branched Polystyrene with Abundant Pendant Vinyl Functional Groups from Asymmetric Divinyl Monomer

Z.-M. DONG, X.-H. LIU, Y. LIN, AND Y.-S. LI 6023

Published online 11 August 2008

A Hybrid-Type, Chiral π-Conjugated Polymer Wrapped with Polyhedral Oligomeric Silsesquioxanes

J. MIYAKE AND Y. CHUJO 6035

Published online 11 August 2008

Nylon 610/Functionalized Multiwalled Carbon Nanotube Composite Prepared from *In-Situ* Interfacial Polymerization

J.-Y. JEONG, H.-J. LEE, S.-W. KANG, L.-S. TAN, AND J.-B. BAEK 6041

Published online 11 August 2008

Random Terpolymers for Electroluminescent Devices: Synthesis and Characterization of New Cyano-Containing Poly(fluorenylene-vinylene)s

R. GRISORIO, C. PILIEGO, P. FINI, P. COSMA, P. MASTRORILLI, G. GIGLI, G. P. SURANNA, AND C. F. NOBILE 6051

Published online 11 August 2008

Copolymerization Behavior of Titanium Imidazolin-2-Iminato Complexes

S. H. STELZIG, M. TAMM, AND R. M. WAYMOUTH 6064

Published online 11 August 2008

Electrospray Ionization Mass Spectrometric Study of End-Groups in Peroxydicarbonate-Initiated Radical Polymerization

M. BUBACK, H. FRAUENDORF, O. JANSSEN, AND P. VANA 6071

Published online 11 August 2008

Oligopeptide-Based Amide Functional Initiators for ATRP

D. J. ADAMS AND I. YOUNG 6082

Published online 12 August 2008

Carboxylic Acid-Containing Benzoxazines as Efficient Catalysts in the Thermal Polymerization of Benzoxazines

R. ANDREU, J. A. REINA, AND J. C. RONDA 6091

Published online 12 August 2008

Asymmetric, Regio- and Stereo-Selective Alternating Copolymerization of CO_2 and Propylene Oxide Catalyzed by Chiral Chromium Salan Complexes

B. LI, G.-P. WU, W.-M. REN, Y.-M. WANG, D.-Y. RAO, AND X.-B. LU 6102

Published online 12 August 2008

A Kinetic Monte Carlo Study on the Nucleation Mechanisms of Oil-Soluble Initiators in the Miniemulsion Polymerization of Styrene

J. A. RAWLSTON, J. GUO, F. J. SCHORK, AND M. A. GROVER 6114

Published online 12 August 2008

Living Cationic Polymerization of Amide-Functional Vinyl Ethers: Specific Properties of $SnCl_4$-Based Initiating System

M. YONEZUMI, S. OKUMOTO, S. KANAOKA, AND S. AOSHIMA 6129

Published online 12 August 2008

Synthesis and Characterization of Double Thermo-Responsive Block Copolymer Consisting *N*-isopropylacrylamide by Atom Transfer Radical Polymerization

Y. KOTSUCHIBASHI, Y. KUBOSHIMA, K. YAMAMOTO, AND T. AOYAGI 6142

Published online 12 August 2008

Thermosensitive Gradient Copolymers by Living Cationic Polymerization: Semibatch Precision Synthesis and Stepwise Dehydration-Induced Micellization and Physical Gelation

K.-I. SENO, I. TSUJIMOTO, T. KIKUCHI, S. KANAOKA, AND S. AOSHIMA 6151

Published online 12 August 2008

Preparation and Characterization of Porous Polymeric Microspheres Obtained from Multifunctional Methacrylate Monomers

M. GROCHOWICZ, A. BARTNICKI, AND B. GAWDZIK 6165

Published online 12 August 2008

Synthesis and Characterization of Fluorene-Based Low-Band Gap Copolymers Containing Propylenedioxythiophene and Benzothiadiazole Derivatives for Bulk Heterojunction Photovoltaic Cell Applications

J. S. PARK, T. I. RYU, M. SONG, K.-J. YOON, M. J. LEE, I. A. SHIN, G.-D. LEE, J. W. LEE, Y.-S. GAL, AND S.-H. JIN 6175

Published online 12 August 2008

A Novel Dispersant for Preparation of High Loading and Photosensitive Carbon Black Dispersion

K.-H. KUO, Y.-H. PENG, W.-Y. CHIU, AND T.-M. DON 6185

Published online 12 August 2008

Synthesis and Characterization of Fluorescence End-Labeled Polystyrene via Reversible Addition-Fragmentation Chain Transfer (RAFT) Polymerization

D. ZHOU, X. ZHU, J. ZHU, AND Z. CHENG 6198

Published online 12 August 2008

Core-Shell Type Dually Fluorescent Polymer Nanoparticles for Ratiometric pH-Sensing

E. ALLARD AND C. LARPENT 6206

Published online 12 August 2008

Thermal Recordable Novel Cholesteric Liquid Crystalline Polyacrylates Containing Various Chiral Moieties

J.-H. LIU, H.-J. HUNG, P.-C. YANG, AND K.-H. TIEN 6214

Published online 12 August 2008

Poly(hydroxyisobutyrate) by Ring-Opening Polymerizations of 5,5-Dimethyl-1,3,2-dioxithiolan-4-one-2-oxide

H. R. KRICHELDORF, N. LOMADZE, AND G. SCHWARZ 6229

Published online 12 August 2008

Synthesis and Characterization of Hyperbranched Polymers with Increased Chemical Versatility for Imprint Lithographic Resists

A. KHAN, M. MALKOCH, M. F. MONTAGUE, AND C. J. HAWKER 6238

Published online 13 August 2008

Oxidative Degradation of Poly(isophthaloylhydrazine-1,2-diyl)s

N. KIHARA, Y. IINO, AND T. MISAWA 6255

Published online 13 August 2008

Poly(*N*,*N*-diethylacrylamide) Microspheres by Dispersion Polymerization

D. ŠPONAROVÁ AND D. HORÁK 6263

Published online 13 August 2008

Syntheses and Characterization of Physically Crosslinked Hydrogels from Dithiocarbamate-Derived Polyurethane Macroiniferter

A. PATEL AND K. MEQUANINT 6272

Published online 13 August 2008

Poly(caprolactone) Containing Highly Branched Segmented Poly(ester urethane)s via A_2 with Oligomeric B_3 Polymerization

S. UNAL, G. OZTURK, K. SISSON, AND T. E. LONG 6285

Published online 13 August 2008

A Simple Approach Toward Low-Dielectric Polyimide Nanocomposites: Blending the Polyimide Precursor with a Fluorinated Polyhedral Oligomeric Silsesquioxane

Y.-S. YE, Y.-C. YEN, W.-Y. CHEN, C.-C. CHENG, AND F.-C. CHANG 6296

Published online 13 August 2008

Synthesis, Properties, and Field Effect Transistor Characteristics of New Thiophene-[1,2,5]thiadiazolo[3,4-g] quinoxaline-thiophene-based Conjugated Polymers

K.-F. CHENG, C.-C. CHUEH, C.-H. LIN, AND W.-C. CHEN 6305

Published online 13 August 2008

Irreversible Temperature-Responsive Formation of High-Strength Hydrogel from an Enantiomeric Mixture of Starburst Triblock Copolymers Consisting of 8-Arm PEG and PLLA or PDLA

K. NAGAHAMA, K. FUJIURA, S. ENAMI, T. OUCHI, AND Y. OHYA 6317

Published online 13 August 2008

β-Hydrogen Transfer From Poly(methyl methacrylate) Propagating Radicals to the Nitroxide SG1: Analysis of the Chain-End and Determination of the Rate Constant

C. DIRE, J. BELLENEY, J. NICOLAS, D. BERTIN, S. MAGNET, AND B. CHARLEUX 6333

Published online 13 August 2008

Synthesis of Linear and 4-Arm Star Block Copolymers of Poly(methyl acrylate-*b*-solketal acrylate) by SET-LRP at 25 °C

M. R. WHITTAKER, C. N. URBANI, AND M. J. MONTEIRO 6346

Published online 13 August 2008

ERRATUM

Synthesis of Methacrylate Derivatives Oligomers by Dithiobenzoate-RAFT-Mediated Polymerization

E. HOSSEINI NEJAD, P. CASTIGNOLLES, R. G. GILBERT, AND Y. GUILLANEUF 6364

Published online 13 August 2008

Volume 46, 2008
Issue 19, October 1, 2008

RAPID COMMUNICATIONS

Polycondensation of Trialkoxysilane Monomers Accelerated by Neighboring Group Participation of Urea Moiety

T. EGUCHI, A. SUDO, AND T. ENDO 6654
Published online 27 August 2008

Electron Beam Curing with Glycerol Methacrylate

H. LANGHALS AND B. OGINSKI 6660
Published online 27 August 2008

Surface-Initiated Living Radical Polymerization of Self-Assembling L-Phenylalanine-Derived Monomer from Silica for RP-HPLC Application

M. CZAUN, M. M. RAHMAN, M. TAKAFUJI, AND H. IHARA 6664
Published online 27 August 2008

ORIGINAL ARTICLES

Synthesis, Properties, and Sulfonation of Novel Dendritic Multiblock Copoly(ether-sulfone)

S. MATSUMURA, A. R. HLIL, AND A. S. HAY 6365
Published online 26 August 2008

Syntheses, Characterization, and Functionalization of Poly(ester amide)s with Pendant Amine Functional Groups

M. A. DE WIT, Z. WANG, K. M. ATKINS, K. MEQUANINT, AND E. R. GILLIES 6376
Published online 26 August 2008

Ethylene-Based Copolymers with Tunable Content of Polymerizable Hindered Phenols as Nonreleasing Macromolecular Additives

S. MENICHETTI, C. VIGLIANISI, F. LIGUORI, C. COGLIATIL. BORAGNO, P. STAGNARO, S. LOSIO, AND M. C. SACCHI 6393
Published online 26 August 2008

Particle Nucleation in High Solids Batch Miniemulsion Polymerization Stabilized with a Polymeric Surfactant

S. J. BOHÓRQUEZ AND J. M. ASUA 6407
Published online 26 August 2008

A "Plug and Play" Polymer Through Biocomplementary Hydrogen Bonding

C.-C. CHENG, C.-F. HUANG, Y.-C. YEN, AND F.-C. CHANG 6416
Published online 26 August 2008

Synthesis and Characterization of Amphiphilic Block Copolymer of Polyphosphoester and Poly(L-lactic acid)

X.-Z. YANG, Y.-C. WANG, L.-Y. TANG, H. XIA, AND J. WANG 6425
Published online 26 August 2008

Enzymatic and Chemical Hydrolysis of Poly(ethylene terephthalate) Fabrics

T. BRUECKNER, A. EBERL, S. HEUMANN, M. RABE, AND G. M. GUEBITZ 6435

Published online 26 August 2008

Synthesis of Various Stimuli-Responsive Gradient Copolymers by Living Cationic Polymerization and Their Thermally or Solvent Induced Association Behavior

K.-I. SENO, I. TSUJIMOTO, S. KANAOKA, AND S. AOSHIMA 6444

Published online 26 August 2008

Synthesis and Characterization of Well-Defined Cyclodextrin-Centered Seven-Arm Star Poly(ε-caprolactone)s and Amphiphilic Star Poly(ε-caprolactone-*b*-ethylene glycol)s

P.-F. GOU, W.-P. ZHU, N. XU, AND Z.-Q. SHEN 6455

Published online 26 August 2008

Efficient Initiators for the Ring-Opening Polymerization of L-Lactide: Synthesis and Characterization of NNO-Tridentate Schiff-Base Zinc Complexes

W.-C. HUNG, Y. HUANG, AND C.-C. LIN 6466

Published online 26 August 2008

Novel Fluorescent (*p*-Phenylene ethynylene)-Calix[4]arene-based Polymer: Design, Synthesis, and Properties

A. I. COSTA, L. F. V. FERREIRA, AND J. V. PRATA 6477

Published online 26 August 2008

Preparation of Flexible and Transparent Polylactic Acids Films by Crystallization Manipulation

A. LERTWORASIRIKUL, Y. ARIKAWA, T. KANEKO, T. KIDA, AND M. AKASHI 6489

Published online 26 August 2008

Synthesis and Characterization of Well-Defined Polystyrene and Poly(ε-caprolactone) Hetero Eight-Shaped Copolymers

G.-Y. SHI, L.-P. YANG, AND C.-Y. PAN 6496

Published online 26 August 2008

High Performance Thermosets from a Curable Diels–Alder Polymer Possessing Benzoxazine Groups in the Main Chain

C.-I. CHOU AND Y.-L. LIU 6509

Published online 26 August 2008

Gold Nanoparticle-Incorporated Core and Shell Crosslinked Micelles Fabricated from Thermoresponsive Block Copolymer of *N*-Isopropylacrylamide and a Novel Primary-Amine Containing Monomer

Y. ZHOU, K. JIANG, Y. CHEN, AND S. LIU 6518

Published online 26 August 2008

Photochromic LC Copolymers Containing Azobenzene and Crown-Ether Groups

V. SHIBAEV, A. MEDVEDEV, AND A. BOBROVSKY 6532

Published online 27 August 2008

Influence of the Isomeric Structures of Butyl Acrylate on Its Single-Electron Transfer-Degenerative Chain Transfer Living Radical Polymerization in Water Catalyzed by $Na_2S_2O_4$

J. F. J. COELHO, E. Y. CARVALHO, D. S. MARQUES, A. V. POPOV, V. PERCEC, AND M. H. GIL 6542

Published online 27 August 2008

Combining "Click" Chemistry and Step-Growth Polymerization for the Generation of Highly Functionalized Polyesters

L. BILLIET, DU. FOURNIER, AND F. D. PREZ 6552

Published online 27 August 2008

Novel Thermotropic Esters-Based Polymers with Broad Nematic Processing Windows

C. DE RUIJTER, J. BOS, H. BOERSTOEL, AND T. J. DINGEMANS 6565

Published online 27 August 2008

Unexpected Reactions Associated with the Xanthate-Mediated Polymerization of *N*-Vinylpyrrolidone

G. POUND, Z. EKSTEEN, R. PFUKWA, J. M. MCKENZIE, R. F. M. LANGE, AND B. KLUMPERMAN 6575

Published online 27 August 2008

Effect of 1,4-Dioxane on Synthesis of Macroporous Poly(*N*-isopropylacrylamide) Hydrogels

Q. ZHAO, J. SUN, Q. LING, AND Q. ZHOU 6594

Published online 27 August 2008

Anionic Polymerization of 1,3-Cyclohexadiene with Alkyllithium/Amine System in an Aromatic Hydrocarbon Solvent: Predominant Formation of 1,2-Addition Product

I. NATORI AND S. NATORI 6604

Published online 27 August 2008

Influence of *n*-Dodecyl Mercaptan as Chain Transfer Agent in Dispersion Polymerization of Styrene

K.-C. LEE AND H.-A. WI 6612

Published online 27 August 2008

Effect of Temperature on the Number of Active Sites and Propagation Rate Constant at Ethylene Polymerization Over Supported Bis(imino)pyridine Iron Catalysts

A. A. BARABANOV, G. D. BUKATOV, AND V. A. ZAKHAROV 6621

Published online 27 August 2008

Introduction of pH-Sensitivity into Mechanically Strong Nanoclay Composite Hydrogels Based on *N*-isopropylacrylamide

S. K. MUJUMDAR AND R. A. SIEGEL 6630

Published online 27 August 2008

Synthesis of ABCD 4-Miktoarm Star Polymers by Combination of RAFT, ROP, and "Click Chemistry"

L. YANG, H. ZHOU, G. SHI, Y. WANG, AND C.-Y. PAN 6641

Published online 27 August 2008

NOTE

Water-Soluble ROMP Polymers from Amine-Functionalized Norbornenes

S. F. ALFRED, K. LIENKAMP, A. E. MADKOUR, AND G. N. TEW 6672

Published online 27 August 2008

Volume 46, 2008
Issue 20, October 15, 2008

HIGHLIGHT

Synthesis of Well-Defined Polymeric Activated Esters

P. THEATO 6677

Published online 12 September 2008

ORIGINAL ARTICLES

Linear and A_2+B_3-Type Hyperbranched Polyesters Comprising Phenylbenzothiazole Unit: Preparation, Liquid Crystalline, and Optical Properties

M. SATO, A. NAKASHIMA, Y. SATO, AND I. YAMAGUCHI 6688

Published online 12 September 2008

A_2B_2 Type Miktoarm Star Copolymers via Alkyne Homocoupling Reaction

E. GUNGOR, G. HIZAL, AND U. TUNCA 6703

Published online 12 September 2008

Self-Assembly of *N*-Carboxyethylchitosan Near the Isoelectric Point

R. MINCHEVA, F. BOUGARD, D. PANEVA, M. VACHAUDEZ, N. MANOLOVA, P. DUBOIS, AND I. RASHKOV 6712

Published online 12 September 2008

Synthesis of a [60] Fullerene—Functionalized Isotactic Polypropylene Derivative

G. MARTÍNEZ, M. A. GÓMEZ, C. MARCO, G. ELLIS, R. GÓMEZ, AND J. L. SEGURA 6722

Published online 12 September 2008

Silicon-Containing Azo Polymers with Paired Mesogens and Their Applications to Optical Memory Media

M.-J. LEE, H.-N. JI, AND Y.-K. HAN 6734

Published online 12 September 2008

Living Cationic Polymerization of Vinyl Ethers in the Presence of a Strong Base: Poisonous or Helpful?

M. YONEZUMI, N. TAKANO, S. KANAOKA, AND S. AOSHIMA 6746

Published online 12 September 2008

Preparation of Star Block Copolymers with Polystyrene-*block*-Poly(ethylene oxide) as Side Chains on Hyperbranched Polyglycerol Core by Combination of ATRP with Atom Transfer Nitroxide Radical Coupling Reaction

C. LIU, M. PAN, Y. ZHANG, AND J. HUANG 6754

Published online 12 September 2008

Synthesis and Characterization of Fluorene-Based Copolymers Containing Benzothiadiazole Derivative for Light-Emitting Diodes Applications

K.-J. YOON, J. S. PARK, S.-J. LEE, M. SONG, I. A. SHIN, J. W. LEE, Y.-S. GAL, AND S.-H. JIN 6762

Published online 12 September 2008

One-Pot Synthesis of Heterograft Copolymers via "Graft Onto" by Atom Transfer Nitroxide Radical Coupling Chemistry

Q. FU, C. LIU, W. LIN, AND J. HUANG 6770

Published online 12 September 2008

Synthesis and Characterization of Nanomagnetite Thermosets Based on Benzoxazines

B. KISKAN, A. L. DEMIREL, O. KAMER, AND Y. YAGCI 6780

Published online 15 September 2008

2D- and 3D-Microstructured Biodegradable Polyester Resins

C. VAIDA, P. MELA, H. KEUL, AND M. MÖLLER 6789

Published online 15 September 2008

Synthesis and Characterization of Polycholesteryl Methacrylate–Polyhydroxyethyl Methyacrylate Block Copolymers

Y. ZHOU AND R. M. KASI 6801

Published online 15 September 2008

Alternating Copolymerization of Cyclohexene Oxide and Carbon Dioxide Catalyzed by Noncyclopentadienyl Rare-Earth Metal Bis(alkyl) Complexes

Z. ZHANG, D. CUI, AND X. LIU 6810

Published online 15 September 2008

Evolution of Iron Catalysts for Effective Living Radical Polymerization: P–N Chelate Ligand for Enhancement of Catalytic Performances

C. UCHIIKE, M. OUCHI, T. ANDO, M. KAMIGAITO, AND M. SAWAMOTO 6819

Published online 15 September 2008

Hydrogen-Transfer Reaction in Nitroxide Mediated Polymerization of Methyl Methacrylate: 2,2-Diphenyl-3-phenylimino-2,3-dihydroindol-1-yloxyl Nitroxide (DPAIO) vs. TEMPO

M. EDELEVA, S. R. A. MARQUE, D. BERTIN, D. GIGMES, Y. GUILLANEUF, S. V. MOROZOV, AND E. G. BAGRYANSKAYA 6828

Published online 15 September 2008

A New Enone-Containing Triglyceride Derivative as Precursor of Thermosets from Renewable Resources

L. MONTERO DE ESPINOSA, J. C. RONDA, M. GALIÀ, AND V. CÁDIZ 6843

Published online 15 September 2008

Ring-Opening Metathesis Polymerization of a Modified Linseed Oil with Varying Levels of Crosslinking

T. C. MAULDIN, K. HAMAN, X. SHENG, P. HENNA, R. C. LAROCK, AND M. R. KESSLER 6851

Published online 15 September 2008

Resistive Switching Polymer Materials Based on Poly(aryl ether)s Containing Triphenylamine and 1,2,4-Triazole Moieties

K.-L. WANG, T.-Y. TSENG, H.-L. TSAI, AND S.-C. WU 6861
Published online 15 September 2008

Organic Solvent Dispersion of Poly(3,4-ethylenedioxythiophene) with the Use of Polymeric Ionic Liquid

T. Y. KIM, T. H. LEE, J. E. KIM, R. M. KASI, C. S. P. SUNG, AND K. S. SUH 6872
Published online 15 September 2008

A Comparative Analysis of SET-LRP of MA in Solvents Mediating Different Degrees of Disproportionation of Cu(I)Br

G. LLIGADAS AND V. PERCEC 6880
Published online 16 September 2008

Synthesis, Characterization and Cleavage of Linear Polymers Attached to Silica Nanoparticles Formed Using Thiol-Acrylate Conjugate Addition Reactions

V. S. KHIRE, A. M. KLOXIN, C. L. COUCH, K. S. ANSETH, AND C. N. BOWMAN 6896
Published online 16 September 2008

Synthesis, Self-Assembly, and Thermosensitive Properties of Ethyl Cellulose-*g*-P(PEGMA) Amphiphilic Copolymers

Y. LI, R. LIU, W. LIU, H. KANG, M. WU, AND Y. HUANG 6907
Published online 16 September 2008

Oxygen Scavengers and Sensitizers for Reduced Oxygen Inhibition in radical Photopolymerization

M. HÖFER, N. MOSZNER, AND R. LISKA 6916
Published online 16 September 2008

Kinetic Study on the Living/Controlled Cationic Polymerization of *p*-Methoxystyrene Coinitiated by Tris(pentafluoro-phenyl)borane

A. V. RADCHENKO, S. V. KOSTJUK, I. V. VASILENKO, F. GANACHAUD, F. N. KAPUTSKY, AND Y. GUILLANEUF 6928
Published online 16 September 2008

Dichlorovanadium (IV) Complexes with Salen-Type Ligands for Ethylene Polymerization

M. BIAŁEK AND K. CZAJA 6940
Published online 16 September 2008

Preparation of Polypyrrole-*graft*-poly(*N*-isopropylacrylamide)/Silver Nanocomposites from Pyrrolyl-Capped Macromonomer by $AgNO_3$ and Their Stimuli Responsibility of Light Emission

X.-L. SUN, W.-D. HE, J. LI, N. HE, S.-C. HAN, AND L.-Y. LI 6950
Published online 16 September 2008

Imidazolium Ionic Liquids with Short Polyoxyethylene Chains

T. BIEDROŃ AND P. KUBISA 6961
Published online 16 September 2008

Heterograft Copolymers via Double Click Reactions Using One-Pot Technique

A. DAG, H. DURMAZ, E. DEMIR, G. HIZAL, AND U. TUNCA 6969

Published online 16 September 2008

NOTE

Selective Cleavage of Acetal Bonds in Copolymers with Polylactide Block

S. SOSNOWSKI 6978

Published online 16 September 2008

Volume 46, 2008
Issue 21, November 1, 2008

HIGHLIGHT

Recent Advances in Controlled/Living Radical Polymerization in Emulsion and Dispersion

J. K. OH 6983

Published online 24 September 2008

RAPID COMMUNICATIONS

Pd/TPPMS in THF/Water Bi-Phase Mixture: Clean Suzuki Coupling System to Synthesis of High Molecular Weight Polyfluorene Derivative

C. LIU, A. REPOLEY, AND B. ZHOU 7268

Published online 25 September 2008

Enhanced Spin Capturing Polymerization: An Efficient and Versatile Protocol for Controlling Molecular Weight Distributions

E. H. H. WONG, T. JUNKERS, AND C. BARNER-KOWOLLIK 7273

Published online 25 September 2008

Tracing Arm-Growth Initiation in Z-RAFT Star Polymerization by NMR: The Impact of the Leaving R-Group on Star Topology

D. BOSCHMANN, M. MÄNZ, A.-C. PÖPPLER, N. SÖRENSEN, AND P. VANA 7280

Published online 25 September 2008

ORIGINAL ARTICLES

Fully Aromatic Poly(ether ketone)s Bearing Macrocycle Pendants: Synthesis and Crosslinking

X. YUE, M. ZHU, H. ZHANG, B. LIU, Y. WANG, AND Z. JIANG 7002

Published online 24 September 2008

Initiation Reactivity of Anionic Polymerization of Fluorinated Acrylates and Methacrylates with Diethyl(ethyl cyanoacetato)aluminum

Y. UMINO, T. NARITA, AND H. HAMANA 7011

Published online 24 September 2008

Aliphatic Poly(ester-carbonate)s Bearing Amino Groups and Its RGD Peptide Grafting

X. HU, X. CHEN, Z. XIE, H. CHENG, AND X. JING 7022

Published online 24 September 2008

Synthesis of Amphiphilic Multiblock and Triblock Copolymers of Polydimethylsiloxane and Poly(*N*,*N*-dimethylacrylamide)

D. PAVLOVIĆ, J. G. LINHARDT, J. F. KÜNZLER, AND D. A. SHIPP 7033

Published online 24 September 2008

Synthesis and Self-Assembly of Tadpole-Shaped Organic/Inorganic Hybrid poly(*N*-isopropylacrylamide) Containing Polyhedral Oligomeric Silsesquioxane via RAFT Polymerization

W. ZHANG, L. LIU, X. ZHUANG, X. LI, J. BAI, AND Y. CHEN 7049

Published online 24 September 2008

Ethylene Polymerization of the New Titanium Complexes Bearing a Phosphine Oxide-Bridged Bisphenolato Ligand

L.-P. HE, J.-Y. LIU, L. PAN, AND Y.-S. LI 7062

Published online 24 September 2008

Synthesis, Photopolymerization and Adhesive Properties of New Hydrolytically Stable Phosphonic Acids for Dental Applications

Y. CATEL, M. DEGRANGE, L. L. PLUART, P.-J. MADEC, T.-N. PHAM, AND L. PICTON 7074

Published online 24 September 2008

One-Pot Synthesis of Star-Block Copolymers Using Double Click Reactions

H. DURMAZ, A. DAG, A. HIZAL, G. HIZAL, AND U. TUNCA 7091

Published online 24 September 2008

High Temperature Resistant Tailor-Made Poly(meth)acrylates Bearing Adamantyl Group via Atom Transfer Radical Polymerization

A. A. KAVITHA AND N. K. SINGHA 7101

Published online 24 September 2008

Encapsulated Clay Particles in Polystyrene by RAFT Mediated Miniemulsion Polymerization

A. SAMAKANDE, R. D. SANDERSON, AND P. C. HARTMANN 7114

Published online 24 September 2008

Molecular Design of Outermost Surface Functionalized Thermoresponsive Polymeric Micelles with Biodegradable Cores

J. AKIMOTO, M. NAKAYAMA, K. SAKAI, AND T. OKANO 7127

Published online 24 September 2008

Libraries of Methacrylic Acid and Oligo(ethylene glycol) Methacrylate Copolymers with LCST Behavior

C. R. BECER, S. HAHN, M. W. M. FIJTEN, H. M. L. THIJS, R. HOOGENBOOM, AND U. S. SCHUBERT 7138

Published online 24 September 2008

Synthesis and Electroluminescent Properties of Fluorene-Based Copolymers Containing Electron-Withdrawing Thiazole Derivatives

I. H. JUNG, Y. K. JUNG, J. LEE, J.-H. PARK, H. Y. WOO, J.-I. LEE, H. Y. CHU, AND H.-K. SHIM 7148

Published online 25 September 2008

Synthesis and Study of the Thermal Crosslinking of Bis(*m*-aminophenyl) Methylphosphine Oxide Based Benzoxazine

M. SPONTÓN, M. S. LARRECHI, J. C. RONDA, M. GALIÀ, AND V. CÁDIZ 7162

Published online 25 September 2008

Novel Mesogen-Jacketed Poly(*p*-phenylenevinylene) Derivatives Bearing Oxadiazole Pendants: Design, Synthesis, and Optoelectronic Properties

L. SUN, P. WANG, H. JIN, X. FAN, Z. SHEN, X. CHEN, AND Q.-F. ZHOU 7173

Published online 25 September 2008

"Click" Coupling Between Alkyne-Decorated Multiwalled Carbon Nanotubes and Reactive PDMA-PNIPAM Micelles

J. LIU, Z. NIE, Y. GAO, A. ADRONOV, AND H. LI 7187

Published online 25 September 2008

Synthesis of Poly(*tert*-butyl acrylate-*block*-vinyl acetate) Copolymers by Combining ATRP and RAFT Polymerizations

C. D. PETRUCZOK, R. F. BARLOW, AND D. A. SHIPP 7200

Published online 25 September 2008

Stability and Utility of Pyridyl Disulfide Functionality in RAFT and Conventional Radical Polymerizations

C. BOYER, J. LIU, L. WONG, M. TIPPETT, V. BULMUS, AND T. P. DAVIS 7207

Published online 25 September 2008

Polyelectrolyte-Grafted Carbon Nanotubes: Synthesis, Reversible Phase-Transition Behavior, and Tribological Properties as Lubricant Additives

X. PEI, Y. XIA, W. LIU, B. YU, AND J. HAO 7225

Published online 25 September 2008

Glycopolymers Resulting from Ethylene–Vinyl Alcohol Copolymers: Synthetic Approach, Characterization, and Interactions with Lectins

C. RUIZ, M. SÁNCHEZ-CHAVES, M. L. CERRADA, AND M. FERNÁNDEZ-GARCÍA 7238

Published online 25 September 2008

Synthesis of Homopolymers and Copolymers Containing an Active Ester of Acrylic Acid by RAFT: Scaffolds for Controlling Polyvalent Ligand Display

K. V. GUJRATY, M. J. YANJARAPPA, A. SARAPH, A. JOSHI, J. MOGRIDGE, AND R. S. KANE 7249

Published online 25 September 2008

Spontaneous Crosslinking of Poly(1,5-dioxepan-2-one) Originating from Ether bond Fragmentation

A. HÖGLUND AND A.-C. ALBERTSSON 7258

Published online 25 September 2008

Volume 46, 2008
Issue 22, November 15, 2008

RAPID COMMUNICATION

Folate-Mediated Cell Uptake of Shell-Crosslinked Spheres and Cylinders

K. ZHANG, R. ROSSIN, A. HAGOOLY, Z. CHEN, M. J. WELCH, AND K. L. WOOLEY 7578
Published online 10 October 2008

ORIGINAL ARTICLES

Synthesis and Characterization of Organic/Inorganic Hybrid Star Polymers of 2,2,3,4,4,4-Hexafluorobutyl Methacrylate and Octa(aminophenyl)silses-quioxane Nano-Cage Made via Atom Transfer Radical Polymerization

H. HUSSAIN, B. H. TAN, C. S. GUDIPATI, Y. XAIO, Y. LIU, T. P. DAVIS, AND C. B. HE 7287
Published online 9 October 2008

Titanium Tetrachloride Supported on Atom Transfer Radical Polymerized Poly(methyl acrylate-*co*-1-octene) as Catalyst for Ethylene Polymerization

S. KAUR, G. SINGH, AND V. K. GUPTA 7299
Published online 9 October 2008

Design, Synthesis, and Characterization of a Combined Main-Chain/Side-Chain Liquid Crystalline Polymer Based on Mesogen-Jacketed Liquid Crystal Polymer via Atom Transfer Radical Polymerization

H. XIE, T. HU, X. ZHANG, H. ZHANG, E. CHEN, AND Q. ZHOU 7310
Published online 9 October 2008

Block Copolymer Micelles Conjugated with anti-EGFR Antibody for Targeted Delivery of Anticancer Drug

T. NOH, Y. H. KOOK, C. PARK, H. YOUN, H. KIM, E. T. OH, E. K. CHOI, H. J. PARK, AND C. KIM 7321
Published online 9 October 2008

Influence of Adjusted Hydrophilic–Hydrophobic Lengths in Sulfonated Multiblock Copoly(ether sulfone) Membranes for Fuel Cell Application

K. NAKABAYASHI, K. MATSUMOTO, T. HIGASHIHARA, AND M. UEDA 7332
Published online 9 October 2008

Thiophene–Phenylene/Naphthalene-Based Step-Ladder Copolymers

T. W. BÜNNAGEL, B. S. NEHLS, F. GALBRECHT, K. SCHOTTLER, C. J. KUDLA, M. VOLK, J. PINA, J. S. S. DE MELO, H. D. BURROWS, AND U. SCHERF 7342
Published online 9 October 2008

Novel Thermally Stable Triarylamine-Containing Aromatic Polyamides Bearing Anthrylamine Chromophores for Highly Efficient Green-Light-Emitting Materials

H.-J. YEN AND G.-S. LIOU 7354
Published online 9 October 2008

Radical and Cationic Photopolymerization: New Pyrylium and Thiopyrylium Salt-Based Photoinitiating Systems

M. EL-ROZ, J. LALEVÉE, F. MORLET-SAVARY, X. ALLONAS, AND J. P. FOUASSIER 7369
Published online 9 October 2008

Polymerization of Methyl Acrylate Mediated by Copper(0)/Me_6-TREN in Hydrophobic Media Enhanced by Phenols; Single Electron Transfer-Living Radical Polymerization

P. M. WRIGHT, G. MANTOVANI, AND D. M. HADDLETON 7376

Published online 9 October 2008

Polymer Functionalization by Free Radical Addition to Alkynes

W. WU AND J. S. PARENT 7386

Published online 9 October 2008

A New Approach for Controlling Birefringent Property of Cyclic Olefin Copolymers

H. T. BAN, H. HAGIHARA, K. NISHII, Y. TSUNOGAE, S. NOJIMA, AND T. SHIONO 7395

Published online 9 October 2008

Efficient Tuning Nonlinear Optical Properties: Synthesis and Characterization of a Series of Novel Poly(aryleneethynylene)s Co-containing BODIPY

M. ZHU, L. JIANG, M. YUAN, X. LIU, C. OUYANG, H. ZHENG, X. YIN, Z. ZUO, H. LIU, AND Y. LI 7401

Published online 9 October 2008

Copolymerization of Ethylene and Norbornene Using Cyclopentadienylzirconium Trichloride Activated by Isobutyl-Modified Methylaluminoxane

O. NISHIZAWA, H. MISAKA, R. SAKAI, T. KAKUCHI, AND T. SATOH 7411

Published online 9 October 2008

Highly Soluble Green-Emitting Ir(III) Complexes with 9-(6-Phenyl-pyridin-3-yl-methyl)-9*H*-Carbazole Ligands and Their Application to Polymer Light-Emitting Diodes

M. J. CHO, J. I. KIM, C. S. HONG, Y. M. KIM, Y. W. PARK, B.-K. JU, AND D. H. CHOI 7419

Published online 9 October 2008

Dispersion Polymerization of Vinyl Monomers in Supercritical Carbon Dioxide in the Presence of Drug Molecules: A One-Pot Route for the Preparation of Controlled Delivery Systems

A. GALIA, O. SCIALDONE, G. FERRARO, AND G. FILARDO 7429

Published online 9 October 2008

Degradation of RAFT Polymers in a Cyclic Ether Studied via High Resolution ESI-MS: Implications for Synthesis, Storage, and End-Group Modification

T. GRUENDLING, R. PICKFORD, M. GUILHAUS, AND C. BARNER-KOWOLLIK 7447

Published online 9 October 2008

Water-Soluble Dendritic-Conjugated Polyfluorenes: Synthesis, Characterization, and Interactions with DNA

M. YU, L. LIU, AND S. WANG 7462

Published online 9 October 2008

Epoxy/Amine-Functionalized Short-Length Vapor-Grown Carbon Nanofiber Composites

S.-N. AHN, H.-J. LEE, B.-J. KIM, L.-S. TAN, AND J.-B. BAEK 7473

Published online 9 October 2008

Bismuth Halide-Catalyzed Polymerizations of ε-Caprolactone

M. LAHCINI, G. SCHWARZ, AND H. R. KRICHELDORF 7483
Published online 9 October 2008

Micelle-to-Vesicle Transition Induced by Oligonucleotide in SDS/DEAB Mixed System with a Net Negative Charge

X. GUO, H. LI, Z. GONG, F. ZHANG, S. ZHENG, AND R. GUO 7491
Published online 9 October 2008

Electronic Structure and Optical Properties of Poly[3-(4-octylphenoxy)thiophene]: Experimental and Theoretical Studies

F. OUHIB, A. DKHISSI, P. IRATÇABAL, R. C. HIORNS, A. KHOUKH, J. DESBRIÉRES, C. POUCHAN, AND C. DAGRON-LARTIGAU 7505
Published online 10 October 2008

Deep-Red Light-Emitting Phosphorescent Dendrimer Encapsulated Tris-[2-benzo[*b*]thiophen-2-yl-pyridyl] Iridium (III) Core for Light-Emitting Device Applications

K. M. JUNG, K. H. KIM, J.-I. JIN, M. J. CHO, AND D. H. CHOI 7517
Published online 10 October 2008

A New Type of Eco-Friendly Resist Based on Nonchemically Amplified System

J. Y. PARK, J. M. YUN, AND J.-B. KIM 7534
Published online 10 October 2008

A Facile Synthetic Strategy for Hyperbranched Polymer via Combining Free Radical Telomerization and Polycondensation

J. LIU, F. ZHAN, Q. FU, X. ZHU, AND W. SHI 7543
Published online 10 October 2008

Poly(ethylene glycol)-Based Amphiphilic Model Conetworks: Synthesis by RAFT Polymerization and Characterization

M. ACHILLEOS, T. M. LEGGE, S. PERRIER, AND C. S. PATRICKIOS 7556
Published online 10 October 2008

Synthesis and Evaluation of Properties of Novel Poly(benzimidazole-amide)s

J. J. FERREIRO, J. G. DE LA CAMPA, A. E. LOZANO, J. DE ABAJO, AND J. PRESTON 7566
Published online 10 October 2008

Volume 46, 2008
Issue 23, December 1, 2008

HIGHLIGHT

The Role of Mid-Chain Radicals in Acrylate Free Radical Polymerization: Branching and Scission

T. JUNKERS AND C. BARNER-KOWOLLIK 7585
Published online 27 October 2008

RAPID COMMUNICATIONS

Synthesis and Ion Conductive Characteristics of Inorganic–Organic Hybrid Polymers Bearing a Tetraaryl-pentaborate Unit

Y. NISHIHARA, M. MIYAZAKI, Y. TOMITA, Y. KADONO, AND K. TAKAGI 7913

Published online 29 October 2008

Mechanism of Propagation in the Cationic Polymerization of L,L-Lactide

M. BAŚKO AND P. KUBISA 7919

Published online 29 October 2008

ORIGINAL ARTICLES

PMMA-Grafted Dextran Glycopolymers by Atom Transfer Radical Polymerization

L. DUPAYAGE, M. SAVE, E. DELLACHERIE, C. NOUVEL, AND J.-L. SIX 7606

Published online 27 October 2008

Synthesis of Arborescent (Dendritic) Polystyrenes via Controlled Inimer-Type Reversible Addition-Fragmentation Chain Transfer Polymerization

A. J. HEIDENREICH AND J. E. PUSKAS 7621

Published online 27 October 2008

One-Pot Synthesis of Linear-Hyperbranched Diblock Copolymers via Self-Condensing Vinyl Polymerization and Ring Opening Polymerization

P. ZOU, L.-P. YANG, AND C.-Y. PAN 7628

Published online 27 October 2008

Molecular Engineering of Photoactive Liquid Crystalline Polyester Epoxies Containing Benzylidene Moiety

V. S. RAO AND A. B. SAMUI 7637

Published online 27 October 2008

Synthesis of Poly(methyl acrylate) Loops Grafted onto Silica Nanoparticles via Reversible Addition-Fragmentation Chain Transfer Polymerization

R. ROTZOLL AND P. VANA 7656

Published online 27 October 2008

Synthesis, Characterization, and Self-Assembly of Ion-Bonded A_2B Rod-Coil Copolymer with Oligo(*para*-phenyleneethynylene) as Rod Segment

D. LU, K. TAO, Y. WANG, AND R. BAI 7667

Published online 27 October 2008

Mechanism and Characterization of Alkylene- and *p*-Ethylenebenzylene-Spaced Polycarbosilanes Ceramic Precursor Synthesized by Electropolymerization

I. CABASSO, Y. YUAN, AND X. WANG 7677

Published online 27 October 2008

Synthesis of Chiral Amphiphilic Diblock Copolymers via Consecutive RAFT Polymerizations and Their Aggregation Behavior in Aqueous Solution

J. WANG, W. XU, Z. CHENG, X. ZHU, Z. ZHANG, J. ZHU, AND W. ZHANG 7690

Published online 27 October 2008

Synthesis of Terpyridine Ligands and Their Complexation with Zn^{2+} and Ru^{2+} for Optoelectronic Applications

P. D. VELLIS, J. A. MIKROYANNIDIS, C.-N. LO, AND C.-S. HSU 7702
Published online 27 October 2008

Polymer Brushes Containing Sulfonated Sugar Repeat Units: Synthesis, Characterization, and *In Vitro* Testing of Blood Coagulation Activation

N. AYRES, D. J. HOLT, C. F. JONES, L. E. CORUM, AND D. W. GRAINGER 7713
Published online 27 October 2008

Synthesis, Photophysics, Theoretical Modeling, and Electroluminescence of Novel 2,7-Carbazole-Based Conjugated Polymers with Sterically Hindered Structures

W. TANG, T. LIN, L. KE, AND Z.-K. CHEN 7725
Published online 27 October 2008

The Synthesis and Self-Assembly of ABA Amphiphilic Block Copolymers Containing Styrene and Oligo(ethylene glycol) Methyl Ether Methacrylate in Dilute Aqueous Solutions: Elevated Cloud Point Temperatures for Thermoresponsive Micelles

S. J. HOLDER, G. G. DURAND, C.-T. YEOH, E. ILLI, N. J. HARDY, AND T. H. RICHARDSON 7739
Published online 27 October 2008

Synthesis of Inverse Star Block Copolymer by Combination of ATRP, Ring Opening Polymerization, and "Click Chemistry"

L.-P. YANG, X.-H. DONG, AND C.-Y. PAN 7757
Published online 27 October 2008

Synthesis, Kinetic Study, and Application of $Ti[O(CH_2)_4OCH{=}CH_2]_4$ in Ring-Opening Polymerization of ε-Caprolactone and Radical Polymerization

P. LI, A. ZERROUKHI, J. CHEN, Y. CHALAMET, T. JEANMAIRE, AND Z. XIA 7773
Published online 29 October 2008

Synthesis and Polymerization of New Di-Octadecyl Ester Derivatives of α-Hydroxymethyl Acrylate: A Structure-Property Correlation for Their Copolymers with Methyl Methacrylate

H. TAS AND L. J. MATHIAS 7785
Published online 29 October 2008

Alternating Fluorene-di(thiophene)quinoxaline Copolymers *via* Microwave-Supported Suzuki Cross-Coupling Reactions

A. TSAMI, X.-H. YANG, T. FARRELL, D. NEHER, AND E. HOLDER 7794
Published online 29 October 2008

Poly(ethylene glycol)/Poly(ethyl cyanoacrylate) Amphiphilic Triblock Copolymer Nanoparticles as Delivery Vehicles for Dexamethasone

X. LIN, R. ZHOU, Y. QIAO, F. JIN, Y. ZHAI, J. XING, L. DENG, AND A. DONG 7809
Published online 29 October 2008

Synthesis and Characterization of Functional Polysilanes $[RMe_2Si(CH_2)_x(Me)Si]_n$ (R = 2-Fu, 5-Me-2-Fu, 2-Th, 4-Me-2-Th; x = 2, 3) with Appended Furyl/Thienyl Groups on the Carbosilyl Side Chains and Their Application in the Generation and Stabilization of Palladium Nanoparticles

R. SHANKAR AND V. SHAHI 7816

Published online 29 October 2008

Controlled Synthesis of Fluorinated Copolymers with Pendant Sulfonates

I. DIMITROV, K. JANKOVA, AND S. HVILSTED 7827

Published online 29 October 2008

Synthesis of Hetero-Telechelic Polymers by Self-Polyaddition of Monomers Containing both Oxetanyl and Carboxyl Groups

H. KUDO, H. ATSUMI, M. SATO, AND T. NISHIKUBO 7835

Published online 29 October 2008

Click Chemistry-Assisted Triazole-Substituted Azobenzene and Fulgimide Units in the Pendant-Based Copoly(decyloxymethacrylate)s for Dual-Mode Optical Switches

C. SARAVANAN, S. SENTHIL, AND P. KANNAN 7843

Published online 29 October 2008

Bipolar Copolymers Comprised Mesogen-Jacketed Polymer Containing Oxadiazole Units and PVK as Host Materials for Electroluminescent Devices

P. WANG, H. JIN, W. LIU, C. CHAI, Z. SHEN, H. GUO, X. CHEN, X. FAN, D. ZOU, AND Q. ZHOU 7861

Published online 29 October 2008

Synthesis and Characterization of Siloxane Resins Derived from Silphenylene-Siloxane Copolymers Bearing Benzocyclobutene Pendant Groups

X. ZUO, J. CHEN, X. ZHAO, S. YANG, AND L. FAN 7868

Published online 29 October 2008

Poly(methyl methacrylate) Copolymers Containing Pendant Carbazole and Oxadiazole Moieties for Applications in Single-Layer Organic Light Emitting Devices

D. D. EVANOFF JR., J. B. CARROLL, R. D. ROEDER, Z. J. HUNT, J. R. LAWRENCE, AND S. H. FOULGER 7882

Published online 29 October 2008

Facile Preparation of Novel Epoxy Curing Agents and Their High-Performance Thermosets

C. H. LIN, T. L. LIN, S. L. CHANG, S. A. DAI, R. J. CHENG, K. Y. HWANG, A. P. TU, AND W. C. SU 7898

Published online 29 October 2008

Volume 46, 2008
Issue 24, December 15, 2008

ARTICLES

Synthesis of Self-Healing Supramolecular Rubbers From Fatty Acid Derivatives, Diethylene Triamine, and Urea

D. MONTARNAL, P. CORDIER, C. SOULIÉ-ZIAKOVIC, F. TOURNILHAC, AND L. LEIBLER 7925

Published online 11 November 2008

Novel Organosoluble Aromatic Polyimides Bearing Pendant Methoxy-Substituted Triphenylamine Moieties: Synthesis, Electrochromic, and Gas Separation Properties

C.-W. CHANG, H.-J. YEN, K.-Y. HUANG, J.-M. YEH, AND G.-S. LIOU 7937

Published online 11 November 2008

Functionalization of Three-dimensionally Ordered Macroporous Cross-linked Polystyrene by Atom-Transfer Radical Polymerization of Hydroxyethyl Methacrylate and Subsequent Derivatization

X. ZHANG, W. YAN, H. YANG, B. LIU, AND P. LIU 7950

Published online 11 November 2008

New Host Homopolymers Containing Pendant Triphenylamine Derivatives: Synthesis, Optical, Electrochemical Properties and Its Blend with $Ir(ppy)_3$ for Green Phosphorescent Organic Light-Emitting Devices

C.-C. LEE, K.-M. YEH, AND Y. CHEN 7960

Published online 11 November 2008

Acrylate Based Anticorrosion Films Using Novel Bis-Phosphonic Methacrylates

K. CHOUGRANI, B. BOUTEVIN, G. DAVID, S. SEABROOK, AND C. LOUBAT 7972

Published online 11 November 2008

Copolymerization of Amino Acid and Amino Ester Functionalized Norbornenes via Living Ring-Opening Metathesis Polymerization

S. C. G. BIAGINI, V. C. GIBSON, M. R. GILES, E. L. MARSHALL, AND M. NORTH 7985

Published online 11 November 2008

Linear Polyurethanes Made from Threitol: Acetalized and Hydroxylated Polymers

R. MARÍN AND S. MUNOZ-GUERRA 7996

Published online 11 November 2008

Benzophenone-(Phenylthio)Acetic Acid Phosphonium Salts as Initiators of free-Radical Photopolymerization of Vinyl Monomers: Mechanistic Studies

J. BARTOSZEWICZ, G. L. HUG, M. PIETRZAK, H. KOZUBEK, J. PACZKOWSKI, AND B. MARCINIAK 8013

Published online 11 November 2008

Sulfonation of Metallocene-Based Polyolefinic Elastomers and Its Influence on Physicomechanical Properties: Effect of Reaction Parameters, Styrene Grafting, and Pendant Chain Length

A. BISWAS, A. BANDYOPADHYAY, N. K. SINGHA, AND A. K. BHOWMICK 8023

Published online 11 November 2008

Highly Ordered Nanoporous Thin Films By Blending of PSt-*b*-PMMA Block Copolymers and PEO Additives as Structure Directing Agents

S. C. PARK, H. JUNG, K.-I. FUKUKAWA, L. M. CAMPOS, K. LEE, K. SHIN, C. J. HAWKER, J. S. HA, AND J. BANG 8041

Published online 11 November 2008

Cyclic Alkoxyamines for Nitroxide-Mediated Radical Polymerization

J. RUEHL, N. NINGNUEK, T. THONGPAISANWONG, AND R. BRASLAU 8049

Published online 11 November 2008

New Chemosensory Materials Based on Disubstituted Polyacetylene with Strong Green Fluorescence

Q. ZENG, J. W. Y. LAM, C. K. W. JIM, A. QIN, J. QIN, Z. LI, AND B. Z. TANG 8070

Published online 11 November 2008

Synthesis of P(AA-SA)/ZnO Composite Latex Particles via Inverse Miniemulsion Polymerization and its Application in pH Regulation and UV Shielding

Y.-D. LUO, C.-A. DAI, AND W.-Y. CHIU 8081

Published online 11 November 2008

The Effect of a Trithiol and Inorganic Fillers on the Photo-Induced Thermal Frontal Polymerization of a Triacrylate

C. NASON, J. A. POJMAN, AND C. HOYLE 8091

Published online 12 November 2008

Synthesis, Characterization, and Bulk Properties of Amphiphilic Copolymers Containing Fluorinated Methacrylates From Sequential Copper-Mediated Radical Polymerization

N. M. L. HANSEN, M. GERSTENBERG, D. M. HADDLETON, AND S. HVILSTED 8097

Published online 12 November 2008

Persistent and Emission Color Tunable Poly(phenylene-ethynylene)s Covered with Polyhedral Oligomeric Silsesquioxanes

J. MIYAKE AND Y. CHUJO 8112

Published online 12 November 2008

Synthesis and Characterization of Soluble Polyimides Functionalized with Carbazole Moieties

A. S. MATHEWS, D. KIM, Y. KIM, I. KIM, AND C.-S. HA 8117

Published online 12 November 2008

Y-Shaped Poly(ethylene glycol) and Poly(trimethylene carbonate) Amphiphilic Copolymer: Synthesis and for Drug Delivery

H.-H. ZHANG, Z.-Q. HUANG, B.-W. SUN, J.-X. GUO, J.-L. WANG, AND Y.-Q. CHEN 8131

Published online 12 November 2008

Synthesis of Carbazole-Based Light-Emitting Polymers Incorporating 2,5-Bis(phenylethenyl)-4-decyloxyanisole as Collateral Fluorophore

K. TAKAGI, T. NAKAGAWA, AND H. TAKAO 8141

Published online 12 November 2008

Synthesis of UV-Cured Acrylic–Silica Hybrid Nanocomposites from Dendritic Acrylic Oligomer and Acrylic-Functionalized Silica

H.-C. CHIANG, C.-H. LIU, AND R. C.-C. TSIANG 8149

Published online 12 November 2008

Preparation of Polybenzoxazole Fibers via Electrospinning and Postspun Thermal Cyclization of Polyhydroxyamide

S. L.-C. HSU, K.-S. LIN, AND C. WANG 8159

Published online 12 November 2008

Fluorenyl Cardo Copolyimides Containing Poly(ethylene oxide) Segments: Synthesis, Characterization, and Evaluation of Properties

E. M. MAYA, D. M. MUNOZ, A. E. LOZANO, J. DE ABAJO, AND J. G. DE LA CAMPA 8170

Published online 12 November 2008

Toward Low-Band Gap Dithienophosphole Copolymers for an Application in Organic Solar Cells

S. DURBEN, D. NICKEL, R. A. KRÜGER, T. C. SUTHERLAND, AND T. BAUMGARTNER 8179

Published online 12 November 2008

Functionalizable Biodegradable Photocrosslinked Elastomers Based on 2-Oxepane-1,5-dione

L. TIMBART AND B. G. AMSDEN 8191

Published online 12 November 2008

NOTES

A High Purity Approach to Poly(3-hexylthiophene) Diblock Copolymers

Y. LEE, K.-I. FUKUKAWA, J. BANG, C. J. HAWKER, AND J. K. KIM 8200

Published online 12 November 2008

Synthesis and Characterization of the PEG-Based Nonionic Surfactants Endowed with Carboxylic Acid Moiety at the Hydrophobic Terminal

H. MORIKAWA, S. KOIKE, M. SAIKI, AND Y. SAEGUSA 8206

Published online 12 November 2008

Combined Author Index Volume 46 • 8215

Combined Subject Index Volume 46 • 8278

Volume Contents • I

Highlight Index
(Through Volume 46, Number 24, December 15, 2008)

The *Journal of Polymer Science Part A: Polymer Chemistry* commenced publishing Highlight articles in 1998. Highlight articles represent concise, readable, and informative reviews of the authors' research and include an appropriate introduction to the field in general and citations to relevant papers published by other research groups. Below is a comprehensive index of all Highlight articles published from 1998 to date. Online access to the full-text content of all Highlight articles is now freely available to all nonsubscribing users via the journal homepage in Wiley InterScience (http://www3.interscience.wiley.com/cgi-bin/jhome/36444/) or directly at http://www3.interscience.wiley.com/cgi-bin/jabout/36444/HighlightedPapers.html.

1998

Living Polymers. Their Discovery, Characterization, and Properties
M. Szwarc
J Polym Sci Part A: Polym Chem 1998, 36, ix.

Polymerization of Oxidative Coupling: Discovery and Commercialization of PPO® and Noryl® Resins
A. S. Hay
J Polym Sci Part A: Polym Chem 1998, 36, 505.

Hyperbranched Polymers 10 Years After
Y. H. Kim
J Polym Sci Part A: Polym Chem 1998, 36, 1685.

1999

Recent Achievements in Anionic Polymerization of (Meth)acrylates
R. Jerome, Ph. Teyssié, B. Vuillemin, T. Zundel, and C. Zune
J Polym Sci Part A: Polym Chem 1999, 37, 1.

Interpretation of Reactivity in Radical Polymerization—Radicals, Monomers, and Transfer Agents: Beyond the $Q—e$ Scheme
A. D. Jenkins
J Polym Sci Part A: Polym Chem 1999, 37, 113.

Stereoregular Uniform Polymers
K. Hatada
J Polym Sci Part A: Polym Chem 1999, 37, 245.

Synthesis of Miktoarm Star (μ-Star) Polymers
N. Hadjichristidis
J Polym Sci Part A: Polym Chem 1999, 37, 857.

On the Versatility of Fluorescence Techniques in Polymer Research
H. Morawetz
J Polym Sci Part A: Polym Chem 1999, 37, 1725.

The Persistent Radical Effect in Controlled Radical Polymerizations
H. Fischer
J Polym Sci Part A: Polym Chem 1999, 37, 1885.

Living Cationic Polymerizations of Olefins. How Did the Discovery Come About?
J. P. Kennedy
J Polym Sci Part A: Polym Chem 1999, 37, 2285.

Highly Efficient Methods for the Preparation of Shape-Persistent Macrocyclics
S. Höger
J Polym Sci Part A: Polym Chem 1999, 37, 2685.

Enzymatic Polymerization: A New Method of Polymer Synthesis
S. Kobayashi
J Polym Sci Part A: Polym Chem 1999, 37, 3041.

The Discovery and Development of Onium Salt Cationic Photoinitiators
J. V. Crivello
J Polym Sci Part A: Polym Chem 1999, 37, 4241.

Absolute Propagation Constants in Vinyl Polymerization
S. Bywater
J Polym Sci Part A: Polym Chem 1999, 37, 4467.

2000

Life Sciences and Materials: A Successful Marriage Is Possible
P. L. Meredith
J Polym Sci Part A: Polym Chem 2000, 38, 667.

Shell Crosslinked Polymer Assemblies: Nanoscale Constructs Inspired from Biological Systems
K. L. Wooley
J Polym Sci Part A: Polym Chem 2000, 38, 1397.

The 25th Anniversary of Catalytic Chain Transfer
A. Gridnev
J Polym Sci Part A: Polym Chem 2000, 38, 1753.

Cationic Ring-Opening Polymerization (CROP) Major Mechanistic Phenomena
S. Penczek
J Polym Sci Part A: Polym Chem 2000, 38, 1919.

Iniferter Concept and Living Radical Polymerization
T. Otsu
J Polym Sci Part A: Polym Chem 2000, 38, 2121.

Thermodynamics of Addition Polymerization
K. J. Ivin
J Polym Sci Part A: Polym Chem 2000, 38, 2137.

Additional Polymers of Aldehydes
O. Vogl
J Polym Sci Part A: Polym Chem 2000, 38, 2293.

New Developments in Hyperbranched Polymers
Brigitte Voit
J Polym Sci Part A: Polym Chem 2000, 38, 2505.

Haloacetaldehyde Polymers and Macromolecular Asymmetry
O. Vogl
J Polym Sci Part A: Polym Chem 2000, 38, 2623.

The Discovery and Commercialization of Group Transfer Polymerization
O. W. Webster
J Polym Sci Part A: Polym Chem 2000, 38, 2855.

Immortal Polymerization: The Outset, Development, and Application
S. Inoue
J Polym Sci Part A: Polym Chem 2000, 38, 2861.

Living Polymerizations of α-Amino Acid-*N*-Carboxyanhydrides
T. J. Deming
J Polym Sci Part A: Polym Chem 2000, 38, 3011.

Anionic Polymerization: High Vacuum Techniques
N. Hadjichristidis, H. Iatrou, S. Pispas, and M. Pitsikalis
J Polym Sci Part A: Polym Chem 2000, 38, 3211.

From Telomerization to Living Radical Polymerization
B. Boutevin
J Polym Sci Part A: Polym Chem 2000, 38, 3235.

Cyclopolymerization
G. B. Butler
J Polym Sci Part A: Polym Chem 2000, 38, 3451.

Head-to-Head Polymers
O. Vogl
J Polym Sci Part A: Polym Chem 2000, 38, 4013.

Oriental Lacquer, Poison Ivy, and Drying Oils
O. Vogl
J Polym Sci Part A: Polym Chem 2000, 38, 4327.

2001

Radical Ring-Opening Polymerization
F. Sanda and T. Endo
J Polym Sci Part A: Polym Chem 2001, 39, 265.

The Mechanism of Propagation in Free-Radical Copolymerization
T. P. Davis
J Polym Sci Part A: Polym Chem 2001, 39, 597.

Concentrated Emulsion Pathway to Self-Compatibilization of Polymer Blends
H. Q. Li and E. Ruckenstein
J Polym Sci Part A: Polym Chem 2001, 39, 757.

The 10th Anniversary of Suzuki Polycondensation
A. D. Schlüter
J Polym Sci Part A: Polym Chem 2001, 39, 1533.

Rare-Earth-Metal-Initiated Polymerizations of (Meth)acrylates and Block Copolymerizations of Olefins with Polar Monomers
H. Yasuda
J Polym Sci Part A: Polym Chem 2001, 39, 1955.

"Charge Transfer" Polymerization—and the Absence Thereof!
H. K. Hall, Jr., and A. B. Padias
J Polym Sci Part A: Polym Chem 2001, 39, 2069.

Using Polymers to Control Substrate, Ligand, or Catalyst Solubility
D. E. Bergbreiter
J Polym Sci Part A: Polym Chem 2001, 39, 2351.

Polymer-Supported Reagents, Catalysts, and Sorbents: Evolution and Exploitation—A Personalized View
D. C. Sherrington
J Polym Sci Part A: Polym Chem 2001, 39, 2364.

Lessons Learned from Research on Photorefractive Polymers and Molecular Materials
L. D. Yu
J Polym Sci Part A: Polym Chem 2001, 39, 2557.

Nylon–Selected Topics
J. Zimmerman and M. I. Kohan
J Polym Sci Part A: Polym Chem 2001, 39, 2565.

Polyfluorenes: Twenty Years of Progress
M. Leclerc
J Polym Sci Part A: Polym Chem 2001, 39, 2867.

The Chemistry and Technology of 2-Alkenyl Azlactones
S. M. Heilmann, J. K. Rasmussen, and L. R. Krepski
J Polym Sci Part A: Polym Chem 2001, 39, 3655.

2002

Synthesis and Self-Assembly of Fluorinated Block Copolymers
M. A. Hillmyer and T. P. Lodge
J Polym Sci Part A: Polym Chem 2002, 40, 1.

Polymer Science with Transition Metals and Main Group Elements: Toward Functional, Supramolecular Inorganic Polymeric Materials
I. Manners
J Polym Sci Part A: Polym Chem 2002, 40, 179.

Polymerization of Cyclic Imino Ethers: From Its Discovery to the Present State of the Art
S. Kobayashi
J Polym Sci Part A: Polym Chem 2002, 40, 192.

Cyanocarbons: A Classic Example of Discovery Driven Research
O. W. Webster
J Polym Sci Part A: Polym Chem 2002, 40, 210.

Search for Highly-Resolved ESR Spectra of the Transient Radical in the Radical Polymerization
M. Kamachi
J Polym Sci Part A: Polym Chem 2002, 40, 269.

Isotopically Pure Uniform Polymers: The Final Step Toward True Uniformity in Macromolecules
O. Vogl, G. D. Jaycox, W. J. Simonsick, Jr.
J Polym Sci Part A: Polym Chem 2002, 40, 923.

Terminology of Kinetics, Thermodynamics, and Mechanisms of Polymerization
S. Penczek
J Polym Sci Part A: Polym Chem 2002, 40, 1665.

On the Propagation Rate Constants of Cationic Polymerizations
P. H. Plesch
J Polym Sci Part A: Polym Chem 2002, 40, 2537.

Discovery of Dendrimers and Dendritic Polymers: A Brief Historical Perspective
D. A. Tomalia and J. M. J. Fréchet
J Polym Sci Part A: Polym Chem 2002, 40, 2719.

Ruthenium-Based Metathesis Initiators: Development and Use in Ring-Opening Metathesis Polymerization
O. Nuyken
J Polym Sci Part A: Polym Chem 2002, 40, 2895.

Printed Plastic Electronics and Paperlike Displays
J. A. Rogers and Z. Bao
J Polym Sci Part A: Polym Chem 2002, 40, 3327.

2003

RAFTing Down Under: Tales of Missing Radicals, Fancy Architectures, and Mysterious Holes
C. Barner-Kowollik, T. P. Davis, J. P. A. Heuts, M. H. Stenzel, P. Vana, and M. Whittaker
J Polym Sci Part A: Polym Chem 2003, 41, 365.

Hyperbranched Polyethers by Ring-Opening Polymerization: Contribution of Activated Monomer Mechanism
P. Kubisa
J Polym Sci Part A: Polym Chem 2003, 41, 457.

Bicyclobutanes and Cyclobutenes: Unusual Carbocyclic Monomers
H. K. Hall, Jr. and A. B. Padias
J Polym Sci Part A: Polym Chem 2003, 41, 625.

Functionalizing the Interior of Dendrimers—Synthetic Challenges and Applications
S. Hecht
J Polym Sci Part A: Polym Chem 2003, 41, 1047.

Playing LEGO with Macromolecules: Design, Synthesis, and Self-Organization with Metal Complexes
U. S. Schubert
J Polym Sci Part A: Polym Chem 2003, 41, 1413.

The Fast and the Curious: High-Throughput Experimentation in Synthetic Polymer Chemistry
R. Hoogenboom and U. S. Schubert
J Polym Sci Part A: Polym Chem 2003, 41, 2425.

Liquid Crystalline and Light-Emitting Polyacetylenes
J. W. Y. Lam and B. Z. Tang
J Polym Sci Part A: Polym Chem 2003, 41, 2607.

Topological Polymer Chemistry by Electrostatic Self-Assembly
Y. Tezuka
J Polym Sci Part A: Polym Chem 2003, 41, 2905.

A Modular Approach for Novel Nanostructural Polycondensates Enabled by the Unique Selectivity of Carbonyl Biscaprolactam
T. Loontjens
J Polym Sci Part A: Polym Chem 2003, 41, 3198.

Dendrimers and Other Dendritic Macromolecules: From Building Blocks to Functional Assemblies in Nanoscience and Nanotechnology
J. M. J. Fréchet
J Polym Sci Part A: Polym Chem 2003, 41, 3713.

Chemical Amplification Resists: Inception, Implementation in Device Manufacture, and New Developments
H. Ito
J Polym Sci Part A: Polym Chem 2003, 41, 3863.

2004

The Discovery and Progress of MgC_{l2}-Supported $TiCl_4$ Catalysts
N. Kashiwa
J Polym Sci Part A: Polym Chem 2004, 42, 1.

Asymmetric Polymerization Using C1 Resources
K. Nozaki
J Polym Sci Part A: Polym Chem 2004, 42, 215.

The Discovery of Polymer-Clay Hybrids
M. Kawasumi
J Polym Sci Part A: Polym Chem 2004, 42, 819.

Emulsion Polymerization: From Fundamental Mechanisms to Process Developments
J. M. Asua
J Polym Sci Part A: Polym Chem 2004, 42, 1025.

Dendritic Aromatic Polyamides and Polyimides
M. Jikei and M.-A. Kakimoto
J Polym Sci Part A: Polym Chem 2004, 42, 1293.

Michael Polanyi and the Discovery of Co-catalysis
P. H. Plesch
J Polym Sci Part A: Polym Chem 2004, 42, 1537.

Organic and Polymer Chemistry of Electrophilic Tri- and Tetrasubstituted Ethylenes
H. K. Hall Jr. and A. B. Padias
J Polym Sci Part A: Polym Chem 2004, 42, 2845.

Polyisobutylene-Based Biomaterials
J. E. Puskas, Y. Chen, Y. Dahman, and D. Padavan
J Polym Sci Part A: Polym Chem 2004, 42, 3091.

The Development of DSM's Hybrane Hyperbranched Polyesteramides
P. Froehling
J Polym Sci Part A: Polym Chem 2004, 42, 3104.

Stereospecific Polymerization of Methacrylates by Metallocene and Related Catalysts
E. Y.-X. Chen
J Polym Sci Part A: Polym Chem 2004, 42, 3395.

The Discovery of Two Kinds of Ion Pairs
J. Smid
J Polym Sci Part A: Polym Chem 2004, 42, 3655.

The Discovery of Metallocene Catalysts and Their Present State of the Art
W. Kaminsky
J Polym Sci Part A: Polym Chem 2004, 42, 3911.

Novel Fluorinated Polymers by Radical Polyaddition: Inspiration and Progress
T. Narita
J Polym Sci Part A: Polym Chem 2004, 42, 4101.

(–)-Sparteine: The Compound that Most Significantly Influenced My Research
Y. Okamoto
J Polym Sci Part A: Polym Chem 2004, 42, 4480.

Biodegradable Polymers with Variable Architectures via Ring-Expansion Polymerization

H. R. Kricheldorf
J Polym Sci Part A: Polym Chem 2004, 42, 4723.

Fundamental Kinetic Aspects of Living Radical Polymerization and the Use of Gel Permeation Chromatography To Shed Light on Them
T. Fukuda
J Polym Sci Part A: Polym Chem 2004, 42, 4743.

Advanced Solid-State Nuclear Magnetic Resonance for Polymer Science
H. W. Spiess
J Polym Sci Part A: Polym Chem 2004, 42, 5031.

Thiol-Enes: Chemistry of the Past with Promise for the Future
C. E. Hoyle, T. Y. Lee, and T. Roper
J Polym Sci Part A: Polym Chem 2004, 42, 5301.

Computer Modeling of Radical Copolymerization at Unusual Conditions
A. Khokhlov, A. V. Berezkin, P. G. Khalatur
J Polym Sci Part A: Polym Chem 2004, 42, 5339.

Copolymerization of Carbon Dioxide and Epoxide
H. Sugimoto and S. Inoue
J Polym Sci Part A: Polym Chem 2004, 42, 5561.

Development of Amorphous Copolyesters Based on 1,4-Cyclohexanedimethanol
S. R. Turner
J Polym Sci Part A: Polym Chem 2004, 42, 5847.

Living/Controlled Copolymerization of Polar Vinyl Monomers with Unactivated Alkenes
S. S. Liu and A. M. Sen
J Polym Sci Part A: Polym Chem 2004, 42, 6175.

2005

Biological Synthetic Hybrid Block Copolymers: Combining the Best from Two Worlds
H.-A. Klok
J Polym Sci Part A: Polym Chem 2005, 43, 1.

Dendrons and Dendritic Catalysts Immobilized on Solid Support: Synthesis and Dendritic Effects in Catalysis
A. Dahan and M. Portnoy
J Polym Sci Part A: Polym Chem 2005, 43, 235.

The Challenge of Synthetic Cellulose
S. Kobayashi
J Polym Sci Part A: Polym Chem 2005, 43, 693.

Structural Defects in Poly(vinyl chloride)
W. H. Starnes Jr.
J Polym Sci Part A: Polym Chem 2005, 43, 2451.

Hyberbranched Polymers—All Problems Solved after 15 Years of Research?
B. Voit
J Polym Sci Part A: Polym Chem 2005, 43, 2679.

From Thermoplastic Elastomers to Designed Biomaterials
J. P. Kennedy
J Polym Sci Part A: Polym Chem 2005, 43, 2951.

Design Strategies for Controlling Molecular Weight and Rate Using Reversible Addition–Fragmentation Chain Transfer Mediated Living Radical Polymerization
M. J. Monteiro
J Polym Sci Part A: Polym Chem 2005, 43, 3189.

Cylindrical Polymer Brushes
M. Zhang and A. H. E. Mueller
J Polym Sci Part A: Polym Chem 2005, 43, 3461.

Dendrimer Complexes: Fine Control of Metal Assembly in Macromolecules
K. Yamamoto
J Polym Sci Part A: Polym Chem 2005, 43, 3719.

Hybrid Metal–Polymer Composites from Functional Block Copolymers
R. B. Grubbs
J Polym Sci Part A: Polym Chem 2005, 43, 4323.

Ionic Liquids in the Synthesis and Modification of Polymers
P. Kubisa
J Polym Sci Part A: Polym Chem 2005, 43, 4675.

Metallosupramolecular Approach towards Functional Coordination Polymers
R. Dobrawa and F. Würthner
J Polym Sci Part A: Polym Chem 2005, 43, 4981.

Macromolecular Design via Reversible Addition Fragmentation Chain Transfer (RAFT)/Xanthates (MADIX) Polymerization
S. Perrier and P. Takolpuckdee
J Polym Sci Part A: Polym Chem 2005, 43, 5347.

Kinetics and Mechanisms in Carbocationic Polymerization: The Quest for True Rate Constants
J. E. Puskas, S. W. P. Chan, K. B. McCauley, S. Shaikh, and G. Kaszas
J Polym Sci Part A: Polym Chem 2005, 43, 5394.

Living Polymerization of Substituted Acetylenes
M. G. Mayershofer and O. Nuyken
J Polym Sci Part A: Polym Chem 2005, 43, 5723.

Genesis of the CSIRO Polymer Group and the Discovery and Significance of Nitroxide-Mediated Living Radical Polymerization
D. H. Solomon
J Polym Sci Part A: Polym Chem 2005, 43, 5748.

Experimental Techniques in High-Vacuum Anionic Polymerization
D. Uhrig and J. W. Mays
J Polym Sci Part A: Polym Chem 2005, 43, 6179.

2006

Development of Organotellurium-Mediated and Organostibine-Mediated Living radical Polymerization Reactions
S. Yamago
J Polym Sci Part A: Polym Chem 2006, 44, 1.

Nitroxide Decomposition: Implications toward Nitroxide Design for Applications in Living Free-Radical Polymerization
A. Nilsen and R. Braslau
J Polym Sci Part A: Polym Chem 2006, 44, 697.

Self-Immolative Dendrimers as Novel Drug Delivery Platforms

D. Shabat
J Polym Sci Part A: Polym Chem 2006, 44, 1569.

Synthesis and Characterization of Macrocyclic Vinylaromatic Polymers
T. E. Hogen-Esch
J Polym Sci Part A: Polym Chem 2006, 44, 2139.

Formation of Honeycomb-Structured, Porous Films via Breath Figures with Different Polymer Architectures
M. H. Stenzel, C. Barner-Kowollik, and T. P. Davis
J Polym Sci Part A: Polym Chem 2006, 44, 2363.

PAMAMOS: The First Commercial Silicon-Containing Dendrimers and Their Applications
P. R. Dvornic
J Polym Sci Part A: Polym Chem 2006, 44, 2755.

Long-Range Effects of Chirality in Aromatic Poly(isocyanide)s
D. B. Amabilino, J.-L. Serrano, T. Sierra, and J. Veciana
J Polym Sci Part A: Polym Chem 2006, 44, 3161.

Dendrimers Based on [1,3,5]-Triazines
M. B. Steffensen, E. Hollink, F. Kuschel, M. Bauer, and E. E. Simanek
J Polym Sci Part A: Polym Chem 2006, 44, 3411.

Electroluminescent Copolymers Based on Dihexylfluorene and 2-{2,6-bis[2-(4-diphenylaminophenyl)vinyl]-pyran-4-ylidene}malononitrile Units
H. Lee, N. H. You, and J. H. Kim.
J Polym Sci Part A: Polym Chem 2006, 44, 3729.

Highly Fluorinated Compounds Induce Phase Separation in, and Nanostructuration of Liquid Media. Possible Impact on, and Use in Chemical Reactivity Control
M. P. Krafft
J Polym Sci Part A: Polym Chem 2006, 44, 4251.

Synthesis and Properties of Organic-Silica Nanocomposites with Perhydropolysilazane
R. Saito
J Polym Sci Part A: Polym Chem 2006, 44, 5174.

Functionalization of Nanoparticles for Dispersion in Polymers and Assembly in Fluids
E. Glogowski, R. Tangirala, T. P. Russell, and T. Emrick
J Polym Sci Part A: Polym Chem 2006, 44, 5076.

Ultrasound in Polymer Chemistry: Revival of an Established Technique
R. Sijbesma and J. M. J. Paulusse
J Polym Sci Part A: Polym Chem 2006, 44, 5445.

Mechanism and Kinetics of Dithiobenzoate-Mediated RAFT Polymerization, 1: The Current Situation
C. Barner-Kowollik, M. Buback, B. Charleux, M. Coote, D. Marco, T. Fukuda, A. Goto, B. Klumperman, A. Lowe, J. McLeary, G. Moad, M. Monteiro, R. Sanderson, M. Tonge, and P. Vana
J Polym Sci Part A: Polym Chem 2006, 44, 5809.

Stereospecific Living Radical Polymerization for Simultaneous Control of Molecular Weight and Tacticity
M. Kamigaito and K. Satoh
J Polym Sci Part A: Polym Chem 2006, 44, 6147.

Polymer Chemistry In Flow: New Polymers, Beads, Capsules, and Fibers
D. T. McQuade and J. L. Steinbacher
J Polym Sci Part A: Polym Chem 2006, 44, 6505

Precise Synthesis of Well-Defined Dendrimer-Like Star-Branched Polymers by Iterative Methodology Based on Living Anionic Polymerization
A. Hirao, K. Sugiyama, Y. Tsunoda, A. Matsuo, and T. Watanabe
J Polym Sci Part A: Polym Chem 2006, 44, 6659.

PGAAs: Cationic Glycopolymers for DNA Delivery
T. M. Reineke
J Polym Sci Part A: Polym Chem 2006, 44, 6895.

2007

Engineering Functional Materials by Halogen Bonding
P. Metrangolo, G. Resnati, T. Pilati, R. Liantonio, and F. Meyer
J Polym Sci Part A: Polym Chem 2007, 45, 1.

Substituted Polyacetylenes
T. Masuda
J Polym Sci Part A: Polym Chem 2007, 45, 165.

Novel Polymers Based on Atom Transfer Radical Polymerization of 2-Methoxyethyl acrylate
K. Jankova, M. Bednarek and S. Hvilsted
J Polym Sci Part A: Polym Chem 2007, 45, 333.

Fundamentals and Development of High-Efficiency Supported Catalyst Systems for Atom Transfer Radical Polymerization
S. Faucher and S. Zhu
J Polym Sci Part A: Polym Chem 2007, 45, 553.

Catalyctic Reactions of Oxetanes with Protonic Reagents and Aprotic Reagents Leading to Novel Polymers
H. Kudo and T. Nishikubo
J Polym Sci Part A: Polym Chem 2007, 45, 709.

Perfluorocarbons, Life Sciences and Biomedical Uses
M. Krafft and J. Reiss
J Polym Sci Part A: Polym Chem 2007, 45, 1185.

New Stages in Living Cationic Polymerization: An Array of Effective Lewis Acid Catalysts and Fast Living Polymerization in Seconds
S. Aoshima, T. Yoshida, A. Kanazawa, and S. Kanaoka
J Polym Sci Part A: Polym Chem 2007, 45, 1801.

Recent Advances in the Synthesis of Well-Defined Glycopolymers
N. Cameron, S. Spain, and M. Gibson
J Polym Sci Part A: Polym Chem 2007, 45, 2059.

A Structural Definition of Polymer Brushes
W. J. Brittain and S. Minko
J Polym Sci Part A: Polym Chem 2007, 45, 3505.

Arborescent Polymers and Other Dendrigraft Polymers: A Journey into Structural Diversity

M. Gauthier
J Polym Sci Part A: Polym Chem 2007, 45, 3803.

Condensation Routes to Polyaniline and Its Analogs
H. Hall, A. B. Padias and H. Boone
J Polym Sci Part A: Polym Chem 2007, 45, 4751.

Synthesis and Biological Application of Glycopolymers
Y. Miura
J Polym Sci Part A: Polym Chem 2007, 45, 5031.

Science and Technology of Perfluorocyclobutyl (PFCB) Aryl Ether Polymers
S. T. Iacono, S. M. Budy, J. Jin and D. W. Smith, Jr.
J Polym Sci Part A: Polym Chem 2007, 45, 5705.

2008

Targeted Delivery of Proteins by Nanosized Carriers
R. Solaro
J Polym Sci Part A: Polym Chem 2008, 46, 1.

Dendritic Macromers for Hydrogel Formation: Tailored Materials for Ophthalmic, Orthopedic, and Biotech Applications
M. W. Grinstaff
J Polym Sci Part A: Polym Chem 2008, 46, 383.

Development of Catalyst-Transfer Condensation Polymerization. Synthesis of π-Conjugated Polymers with Controlled Molecular Weight and Low Polydispersity
R. Miyakoshi, A. Yokoyama, and T. Yokozawa
J Polym Sci Part A: Polym Chem 2008, 46, 753.

Polycarbonate and Polyester Cyclic Oligomer Chemistry
D. J. Brunelle
J Polym Sci Part A: Polym Chem 2008, 46, 1151.

Self-Assembly of Supra Molecular Polymers into Tunable Helical Structures
H.-J. Kim, Y.-B. Lim, and M. Lee
J Polym Sci Part A: Polym Chem 2008, 46, 1925.

Self-Assembled Organic Nanotubes: Toward Attoliter Chemistry
T. Shimizu
J Polym Sci Part A: Polym Chem 2008, 46, 2601.

Bimolecular Radical Termination: New Perspectives and Insights
G. Johnston-Hall and M. J. Monteiro
J Polym Sci Part A: Polym Chem 2008, 46, 3155.

Polymerization of Oligo(ethylene glycol) (Meth)acrylates: Toward New Generations of Smart Biocompatible Materials
J.-F. Lutz
J Polym Sci Part A: Polym Chem 2008, 46, 3459.

Some Effects of the Initiator on the Cationic Polymerization of Alkenes
P. H. Plesch and J. C. Austin
J Polym Sci Part A: Polym Chem 2008, 46, 4265.

Nonclassical Forces: Seemingly Insignificant but a Powerful Tool to Control Macromolecular Structures
M. Fujiki and A. Saxena
J Polym Sci Part A: Polym Chem 2008, 46, 4637.

From the Discovery of Sodiumoxyorganoalkoxysilanes to the Organosilicon Dendrimers and Back
A. M. Muzafarov and E. A. Rebrov
J Polym Sci Part A: Polym Chem 2008, 46, 4935.

Hybrid Linear Dendritic Macromolecules: From Synthesis to Applications
I. Gitsov
J Polym Sci Part A: Polym Chem 2008, 46, 5295.

The Future of Reversible Addition Fragmentation Chain Transfer Polymerization
C. Barner-Kowollik, S. Perrier
J Polym Sci Part A: Polym Chem 2008, 46, 5715.

Synthesis of Well-Defined Polymeric Activated Esters
P. Theato
J Polym Sci Part A: Polym Chem 2008, 46, 6677.

Recent Advances in Controlled/Living Radical Polymerization in Emulsion and Dispersion
J. K. Oh
J Polym Sci Part A: Polym Chem 2008, 46, 6983.

The Role of Mid-Chain Radicals in Acrylate Free Radical Polymerization: Branching and Scission
T. Junkers and C. Barner-Kowollik
J Polym Sci Part A: Polym Chem 2008, 46, 7585.

Forthcoming

Jacketed Polymers: Controlled Synthesis of Mesogen-Jacketed Polymers and Block Copolymers
L.-C. Gao, X.-H. Fan, Z.-H. Shen, X. Chen and Q.-F. Zhou